

VICK'S

GARDEN & FLORAL GUIDE

1910

VICK'S SELECTED STRAIN OF
DANVERS YELLOW GLOBE
PAGE 24.

WHITE GLOBE
PAGE 25

LARGE RED GLOBE PAGE 25

James Vick's Sons
ROCHESTER, N. Y.

STEEB & CO. ROCHESTER, N. Y.

SUGGESTIONS TO OUR CUSTOMERS

ALL MONEY MAY BE SENT AT OUR RISK AND EXPENSE, if forwarded according to directions, in either manner here stated.

When remittances are not made according to the following directions, we disclaim all responsibility:

FOUR SAFE WAYS.

A Post Office Money Order will cost as follows: Sums not exceeding \$2.50, 3 cents; over \$2.50 and not exceeding \$5.00, 5 cents; over \$5.00 and not exceeding \$10.00, 8 cents. This is the best way, and we advise our friends, when possible, to send a money order.

Express Money Order.—To be obtained at all offices of the American, United States, Adams, Pacific, National, Wells, Fargo & Co., and other Express Companies.

The Expense of forwarding money in either of the above ways we will pay, and the cost may be deducted from the amount forwarded.

Draft on New York.—A DRAFT ON NEW YORK can be obtained at any Bank, and this is sure to come safely.

Registered Letter.—When money cannot be sent by either of the first three methods, it may be sent in a Registered Letter. The cost of registering is 10 cents.

The Rochester Banks charge us 10 cents each for cashing checks, therefore add 10 cents to individual checks to cover cost of collection.

SUMS LESS THAN FIFTY CENTS may be forwarded by mail at our risk without registering, provided stamps are used.

All Seeds, Bulbs and Plants Free of Postage to any part of the United States and Foreign Countries mentioned at the prices named in this Catalogue, Postage Paid. The only exceptions to this rule are when heavy and bulky articles are ordered by the peck or bushel, or in cases especially noted; otherwise, every package will be paid through to destination. As a general rule we send Plants and Seeds in separate packages.

Our Customers in Canada.—We do not pay duties, but pay the postage on Seeds, Bulbs, and Plants, purchased at retail catalogue prices, excepting when the price is given delivered at the Express or Railroad office here.

Foreign Countries.—On packages for England, Germany, Bahamas, Barbadoes, Colombia, Costa Rica, Danish West Indies, Hawaii, British Honduras, Honduras, Jamaica, Leeward Islands, Mexico, Salvador, British Guiana, Newfoundland, Cuba, Porto Rico, Windward Islands, and Philippine Islands, postage will be prepaid.

Free by Express.—All orders weighing two pounds or over will be forwarded by Express, if possible. Our customers will oblige us very much by giving their nearest express office and the name of the Company delivering goods. This applies to Seeds and Bulbs at Catalogue rates, and not on heavy seeds by the peck or bushel, or when especially noted, nor to miscellaneous articles.

Special Notice to Our Customers. Express Companies have a special rate or discount on Seeds, Plants, Bulbs, Potatoes and Small Fruits. Refer Agent to "General Special Scale N." When packages are forwarded not prepaid, or at expense of purchaser, they are labeled with the following notice: "This package is carried on the general special seed rate which is 20% less than merchandise rates." See that your Local Agent shares you accordingly.

Cash with Order.—It is necessary that each order be accompanied with the cash. We send no goods C. O. D. (collect on delivery). This rule is imperative.

The Safe Arrival of Packages Guaranteed.—We guarantee the safe arrival of packages of Seeds, Bulbs and Plants in good condition in the United States and Canada. When customers fail to receive their Seeds, Bulbs or Plants in a reasonable time they should inform us, and send a copy of their order, stating the amount of money, and in what manner it was sent.

We do not guarantee Small Fruits further than their arrival in good condition.

Whenever writing in reference to a previous order, be sure and mention the post office to which the goods were to be shipped, and the post office from which the order was mailed, and sign the same name as in the first order.

Shipping Plants.—All orders for plants will be held until about April 1st. If wanted for winter flowering or immediate use, state the fact, and they will be shipped accordingly though in case of severe cold storms we may hold for a few days

PREMIUMS WHICH WE ALLOW ON PURCHASES OF SEEDS IN PACKETS AND OUNCES ONLY—NOT ON PLANTS OF ANY KIND

Persons sending \$1.00 for Seeds in Packets and ounces, may select Seeds only to the amount of \$1.25 or 25 cents extra on each \$1.00 of the order. It must be understood that this premium is allowed on Flower and Vegetable Seeds by the Packet and Ounce only, and NOT on Seeds by the Pound, Half-Pound, Quart, Pint, Half-Pint or in Collections, nor on Bulbs or Plants.

We will not pay this Premium in Seeds by the pound or fraction, nor in Bulbs or Plants. It must be selected from Seeds in Packets and Ounces.

Collections of Vegetable and Flower Seeds

TO ALL CUSTOMERS who want Selected Collections of the standard varieties of Vegetable Seeds for a family garden we can recommend our Quality Collections of Beans, Corn and Peas. These are the very best varieties for the purpose, giving a succession of fresh vegetables from about the middle of June until frost. All the Packets are of regular size and Vick Quality in every respect.

The special Collections of Flower Seeds, including Asters, Antirrhinum, Nasturtium, Pansies, Petunias, Phlox, Poppies, Sweet Peas, Verbenas, will be found on page 43.

No. 5 Collection of Vegetables

Twenty-one Choice Varieties for a medium-sized garden (regular catalogue price \$1.35) sent postpaid for \$1.00.

50-cent Collection of Vegetables

Fourteen Choice Varieties for a small Family garden (regular catalogue price 80 cents) sent post paid for 50 cents.

\$1040 in Cash Prizes

To Skillful Gardeners and Users of Vick's Seeds

Vegetables and Flowers grown from Vick Quality Seeds invariably occupy a foremost position at the New York State Fair. In the Great Agricultural Hall—where they are exhibited you will find throngs of people congregated about the exhibit—which is one of the largest, if not *the* largest of all.

This year—to encourage the man with a small garden, as well as the one with an acre or more—we offer a series of cash prizes—aggregating One Thousand and Forty Dollars—to be given to those who show the best results from the use of Vick Quality Seeds.

We want all users of Seeds to enter this great Prize Contest

There are no strings to it. It is absolutely free to all—and there are no conditions imposed.

You may win one or more of the prizes just as easily as your neighbor—and the earlier you start thinking and planning, the better results will be yours.

Growing choice vegetables and flowers is not a trick.

Given the proper seeds—Vick Quality Seeds—with careful attention to details such as weeding, fertilizing, watering, and plenty of room for the development of the plants—and you put yourself on a plane with your neighbor who does these things. You likewise place yourself in the winning class.

The Vick \$1,040 Prize Contest Endorsed by the State Fair Commission

We print herewith the endorsement of the New York State Fair Commissioner, Mr. William Pitkin, in charge of the Vegetable, Flower and Fruit Department, who states frankly his interest in the project.

There is some likelihood too, of the Commission making a special companion prize to the one we shall offer. This will be decided by the Commission at the next meeting and every contestant entering for the Vick Prizes, will be notified of the decision.

All Vegetables and Flowers Entered will be Exhibited at the New York State Fair, Syracuse, September 12th to 17th, 1910.

OFFICERS	SIXTY-NINTH ANNUAL	COMMISSION
PRESIDENT HORACE WHITE SYRACUSE	THE NEW YORK STATE FAIR	HORACE WHITE, SYRACUSE
VICE-PRESIDENT DE FOREST SETTLE SYRACUSE	SYRACUSE	CHARLES A. WHITE, COBLESKILL
SECRETARY STANTON C. SHAVER SYRACUSE	SEPTEMBER 13 th 18 th 1909	ERASMOUS, LOWVILLE
TREASURER ALBERT C. BROWN BATAVIA	Rochester, N. Y., Nov. 27th, 1909.	ABRAHAM HERRIN BUFFALO
		DE FOREST SETTLE SYRACUSE
		RAYMOND A. PEARSON ALBANY
		WILLIAM PITKIN ROCHESTER

Messrs. James Vicks' Sons,
Rochester, N. Y.


Gentlemen:—

I am much interested in your proposition in which you offer very liberal premiums for vegetables grown from your seed, and to be exhibited at the New York State Fair in September, 1910.

I believe that this will add very largely to the attractions of the Fair, and it will be my endeavor to give you all the space that is necessary for the exhibit, and to aid you in every way possible to make the exhibit a success.

It will also be arranged so that the judging of the exhibits will be done by the regularly appointed judges of the State Fair Commission.

Wishing you every success, and assuring you that you will have my hearty co-operation, I remain,
Yours truly,



Commissioner in charge of the Fruit, Vegetable and Flower Depts

This great Fair, held in the City of Syracuse, on grounds that are permanent, is one of the biggest annual events of its kind, held in this country. In fact, it is becoming an international Exposition in scope and character

The buildings are exceedingly handsome and large, and are being added to yearly by State appropriations.

Doesn't it behoove you to win a Vick Prize—or to at least make a try for it? Won't it be worth your while to have Vegetables and Flowers represented at this splendid show.

On the next page you will find the Vegetable Premium List, and on page 44 the Aster List.

This \$1,040 Contest will be under the Direction of the New York State Fair Commission and the judges will be the judges who are appointed regularly by the Fair Commission.

The List of Vegetables and the Prizes

Sweet Corn, Vick's Golden Nugget*—Best twelve ears	-	-	-	-	\$50	\$25	\$15	\$10	\$5
Cabbage, Short-Stemmed Danish Ballhead—Best three heads	-	-	-	-	50	25	15	10	5
Cauliflower, Vick's Ideal—Best three heads	-	-	-	-	50	25	15	10	5
Celery, Paris Golden Dwarf Self-Blanching—Twelve Plants	-	-	-	-	50	25	15	10	5
Musk Melon, Vick's Irondequoit—Four specimens	-	-	-	-	50	25	15	10	5
Onion, Vick's Selected Strain Ailsa Craig—Twelve specimens	-	-	-	-	50	35	15	10	5
Potato, Carman Seedling—One Peck (fifteen pounds)	-	-	-	-	50	25	15	10	5
Tomato, Vick's Selected Strain Earliana—Twelve specimens	-	-	-	-	50	25	15	10	5

*The Golden Nugget Sweet Corn should be planted about the first of June, as it is a second early variety, requiring about 90 days to mature.

The Simple Conditions and Rules which govern the Contest

Vegetables and Asters must be grown from seeds bought of James Vick's Sons this year (1910).

Exhibits must be made at the New York State Fair, Syracuse, September 12 to 17.

All vegetables and Asters entered must be delivered free at the Fair Grounds, Syracuse, N. Y., express prepaid by the grower.

Directions for packing, shipping, etc., will be mailed each party competing for prizes one month before the opening date of the Fair.

Any person desiring to compete for these prizes must state which of the prizes he wishes to enter for; place his or her name and address on the enclosed entry blank, enclosing the same with their order for seeds.

We will receive and arrange *all* exhibits. Consequently those exhibitors who cannot attend in person may rest assured the arrangement and

care of their exhibit will receive exactly the same attention as all the rest.

Premiums are to be awarded by the regular judge or judges to be appointed by the Directors of the New York State Fair.

The points on which the awards are to be made will be announced in August on the circular mailed to contestants.

Prior to the judging, each exhibitor will be known by number. The judges will not know the exhibitor's name until after the prizes are awarded. Immediately after the awards are made the name and address of all the growers will be placed over their exhibit.

Should the entry blank be lost, write name and address, and varieties you wish to enter for prizes on a blank piece of paper, enclosing the same with your order for seeds.

\$200 in Cash Prizes for Vick Quality Asters

In addition to our Prizes for vegetables grown from Vick Quality Seeds we make a special offer for the best Asters grown from Vick Quality Aster Seeds.

CLASS A—Prizes for each of the Six Varieties Exhibited Separately

1st Prize	2d Prize	3d Prize	4th Prize
\$10.	\$5.00	\$3.00	\$2.00

You may enter any one or all of the following six:

- 12 blooms Vick's Mikado Pink, Rochester.
- 12 blooms Vick's Mikado White.
- 12 blooms Vick's Early Upright White.
- 12 blooms Vick's Imperial Daybreak.
- 12 blooms Vick's Early Branching Rose.
- 12 blooms Vick's Violet King.

Flowers in Class A cannot be entered in any other class.

Grand Prize for Vick Quality Aster Collection Twelve (12) blooms each exhibited as a collection

- Vick's Mikado Pink, Rochester.
- Vick's Mikado White.
- Vick's Early Upright White.
- Vick's Imperial Daybreak.
- Vick's Early Branching.
- Vick's Violet King.

1st Prize, \$30 2d Prize, \$20 3rd Prize, \$15
4th Prize, \$10 5th Prize, \$5.00

Flowers entered for the Grand Prize will not be permitted to enter in any other class.

For Detailed Description of this Great Aster Prize see Page 44

Vick's Garden and Floral Guide

61st Number

The Spring of 1910

Issued Annually

HOW TO USE SEED

Practical and Timely Hints on Sowing and Cultivating, by Prof. L. B. Judson, Cornell Agricultural College.



WARMTH and moisture are the leading essentials in the germination of seeds, and all directions for planting are largely designed to secure these conditions in the proper degree. Some seeds, like barley, will germinate even on cakes of ice, and others under water, but most garden seeds require genial warmth and constant but not excessive moisture to sprout vigorously.

When to sow. Wait till the ground is thoroughly warmed in the spring before sowing. Even the crops that do best when planted as soon as the ground can be worked in spring, like peas, radishes, and onions, gain little by being put in the first warm day, for the ensuing cold weather often brings them to a dead stand for a week or two at a time. Radishes checked in this way are much inferior to those sown a little later. Plants for early setting, such as tomatoes, cabbages, onions, etc., must be started under glass, or at the kitchen window, from seed sown in February or March.

Depth to sow. Three times the diameter of the seed is a good general rule. Early peas, however, should be covered two inches deep, and the main season sorts four. Very fine seeds are best not covered at all, but merely sown on the surface of very finely prepared soil, and pressed in. In sowing small seeds with a drill, there is always danger of burying them too deeply; lettuce, for instance, can readily be planted so deeply it will never come up. Where the soil is stiff all seeds should be covered more lightly than in light mellow soils.

Preparing the seed bed. Deep and thorough must be the preparation of the soil if speedy and uniform germination are to result. Deep plowing, followed by deep as well as surface harrowing, is essential to provide a proper reservoir for moisture and abundant pasturage for the roots. After the soil is finely leveled down with a smoothing harrow or plunker, run over it twice at right angles with a Meeker harrow (a low frame set with many small flat disks) and the top soil will be left as fine as though it had been hand-raked. Soil which is fine and free from lumps is readily pressed into close contact with the seeds, and the necessary moisture assured. Where small beds are to be made, there is no better tool than the steel rake for fitting the soil, after it has been plowed or spaded. Scatter fertilizers thinly and evenly over the bed just as you are finishing, and rake in. Nitrate of Soda had best be reserved till the plants are up, and put on in two or three light applications, rather than a single heavy one. Never allow seeds to come in contact with stable manures.

Amount to sow. This is governed by the germinating ability of the seed. Seeds are often sown too thickly, making the labor of thinning very great, and attended with damage to the remaining plants. Thick seeding is advised only where crowding is expressly sought, as in lawns, or where the seeds are known to be partly worthless. Stock purchased from a reliable seedsman is above suspicion, but one can assure one's self by a simple test. From an average sample of the seeds count out one hundred, and place them

between two pieces of flannel cloth or blotting paper which have just been dipped in boiling water. Place on a dinner plate, invert another plate over this to keep in the moisture, and set in a warm place. Examine every day and remove the sprouted seeds as they appear. After ten days the number of seeds still unsprouted will show the percentage of failures to be expected. When a seed drill is used for small seeds, like turnip or radish, some growers prefer to back one-third to one-half of the seeds to mix with the others, in order to have the seeding thin enough. Radishes will come much more evenly and produce better roots if the seed is sifted through ordinary window screening, rejecting all which pass through. The sifted seed should be sown very thinly.

Soaking. The germination of all seeds is hastened by soaking them in water till they begin to swell, but this treatment is seldom advisable for small seeds, because they may be injured. Early planted peas often go into a soil too cold to induce prompt germination, and a previous soaking brings them up much sooner; and still more advisable is the practice if one has postponed sowing till the best season is past, and wishes to make up for lost time. Instead of soaking seed for twelve to twenty-four hours, it is sometimes convenient to substitute a quicker method with large and vigorous seeds which consists in pouring boiling water over them, and allowing to stand for a half an hour.

Shading. It is a great help to sprouting seeds to have the soil shaded from the sun until the plants appear above ground, especially in the case of small and delicate seeds, like celery. Sometimes boards are laid on the ground over the rows, care being taken to remove them as soon as the tender sprouts appear at the surface. A safer covering is a light mulch of lawn clippings, pine needles or other short litter, as the plants can push up into it without harm, though most of it should be raked into the space between the rows as soon as the plants are fairly up. Brush supported about six inches above the soil on a low frame also makes a good shade, and may be left till the plants are several inches high. The cabbage seed bed may be shaded, and the troublesome root maggot and other pests kept from it at the same time, by enclosing it with twelve-inch boards set on edge, and stretching a cheese-cloth across the top. The cloth is left till the plants are set in the field, the shade being beneficial throughout.

Sowing under glass. Some plants, like tomatoes, egg plants, and asters, will not come to full maturity in most parts of this country unless the season is artificially lengthened, and this can most readily be done by starting the plants early under glass in the greenhouse, hotbed or at the kitchen window. If the plants are grown at a window, the box should be turned end for end each day, or the plants will be drawn strongly toward the light, and become unsuitable for setting out. It is very convenient to sow the seeds in a shallow box or "flat" four inches deep and any convenient size, from 12 x 16 to 18 x 24 inches. A soap box cut down to the proper depth is very satisfactory. The box is filled with good garden loam, not over rich, and the seeds sown rather thickly in shallow drills one inch apart. Such seeds as lettuce and asters are

frequently sown broadcast. If several varieties are sown in the same flat, press a small stick in the soil to show the dividing line. Cover the seeds by sifting a little soil over them, and then water thoroughly, using a sprinkler with a fine rose so as not to wash out the seeds. Washing can also be effectively prevented by laying a piece of muslin over the soil and watering on top of the cloth. Leave the cloth on till the plants appear, and less watering will be required. The flats should be examined each day to see that the surface soil does not dry out. After the plants are up great care must be taken in watering not to keep the surface wet and the soil beneath dry, as this is most certain to result in an attack of "damping off." The fungus producing this disease attacks the stem of the seedling near the surface of the ground, browning and shrivelling the stem till the plant lops over and finally dies. Water thoroughly, and then wait till the subsoil plainly needs more. Try to keep the subsoil in moist condition and at the same time have a thin layer of soil on the surface decidedly dry.

Damping off is not likely to be troublesome if the soil is sterilized, as may be readily done by baking it before using. Soil in hotbeds is best sterilized with steam, if steam under sixty pounds pressure is available, passing it for half an hour through perforated one-inch pipes which have been embedded about six inches deep in the soil. A cheaper method of sterilization, which will destroy all fungi, insects, and active eel-worms, but not the eggs of the latter, consists in drenching the soil with formalin, one quart to 50 gallons of water, using one gallon to each square foot of surface.

As soon as the seedlings are large enough to handle, or begin to crowd, they must be "pricked off" or transplanted into another flat 1 x 2 inches apart, using a sharpened stick the size of a lead pencil for a dibber. The plants are commonly left to grow in this flat in a crowded condition until they are set out. Better tomato plants can be grown by potting them off from the flat when they begin to crowd, using tomato cans or berry boxes, if pots are not at hand. Tin cans should be thrown into the fire until the seams melt apart. The cylinder of tin is then held together with a piece of string or wire. When the plant is to be moved a flat trowel or spade is run under the can and the whole readily lifted. Cut the wire or string and the can falls away, leaving the ball of earth intact. It is hard to preserve this ball if the bottom is left in the can, as the earth clings tightly to the sides, and removing will more or less disturb the roots of the plants.

Transplanting. Choose a dull day if possible for this work, but if the plants are of good size and becoming crowded, do the work anyway. The very best time for transplanting is a few hours before a good shower, as the rain settles the earth firmly about the roots, and the wetting keeps the plants from flagging. Some wait for a rain, and set out plants as soon afterwards as possible; but this is a far less favorable time than before, as the ground is either too muddy or too hard, unless reworked, and the earth is not well settled until another rain. If plants are set in hot, dry weather, they should be watered in, giving at least a pint to each plant. Where only a small number of plants are to be put out, begin operations the latter part of the afternoon, so that the plants may have the cool air of night in which to recover. Plants will flag much less if shaded a day or two by a shingle stuck on the south side, or a handful of lawn clippings placed over them. Plants from pots of course get no check, and need no protection.

It is a mistake to attempt to save all the root system of seedlings, unless handled in pots, as the roots are usually so long as to interfere with rapid planting. It is much better to clip back the roots than crowd them into a hole, to become distorted and fairly strangled by later growth. If the top is well developed, shorten it too, to balance with the roots, and the ease in handling will more than offset what slight advantage there might be from longer roots.

One must be careful not to expose the roots of the plants to the air and sun any more than necessary. Keep the plants covered with a wet gunny sack from the time they are taken from the seed bed until wanted for planting. If some time is likely to elapse between taking up and setting out, the roots may be further protected by dipping them in clay water.

Seed inoculation. Cultures of bacteria are now on the market for inoculating the seeds of peas and beans just before planting. These organisms have the power of fixing the free nitrogen of the air and making it available for plant food. They produce the familiar swellings or nodules on the roots of pot plants. Some cheap means of greatly increasing the number of these bacteria on the roots is, of course, very desirable, but tests by the Cornell Station the past summer have failed to show that inoculation produces any noticeable increase in the number or size of the nodules, or in the vigor of the plants. There might possibly be some effect on very poor soils, where peas and beans had never grown, but on ordinary loam, there seems to be none.

Ornamental and Flowering Plants for Special Purposes

For Constant and Brilliant Bloom. Asters in all varieties, Sweet Alyssum, all the dwarf *Cinnas*, *Calliopsis*, *Eschscholtzia*, scarlet *Geraniums*, *Nasturtium*, *Petunia*, *Phlox Drummondii*, *Portulaca*, Sweet Peas, *Verbena*, Double *Zinnia*.

Low-Growing Plants for Masses of Color. White—Sweet Alyssum, white *Ageratum*, white *Brachycome*, white *Candytuft*, Vick's double white *Phlox Drummondii*, white *Portulaca*, white *Verbena*.

Blue—*Ageratum* Swanley blue, blue *Brachycome*, *Heliotrope*, *Lobelia*, blue *Verbena*.

Red—Carmine and Crimson *Candytuft*, *Geranium*, *Phlox Drummondii* brilliant scarlet, *Phlox grandiflora* scarlet and dwarf *Fireball*, *Poppy*, red *Portulaca*, *Tropæolum* King of Tom Thumbs and Carter's Tom Thumb and crimson varieties if desired, red *Verbena*.

Yellow—*Gaillardia*, orange and yellow *Eschscholtzia*, French *Marigold* and especially the variety *Tageetes signata pumila*, *Portulaca aurea vera*, yellow and *Lady Bird Tropæolum*.

Plants for Window Boxes. *Abutilon*, Sweet Alyssum, *Begonia*, *Fuchsia*, *Geranium*, *Grevillea robusta*, *Ivy Geranium*, English and German *Ivy*, *Lobelia*, *Maurandya*, *Mignonette*, *Petunia*, *Schizanthus*, *Thunbergia*, *Tropæolum*.

Plants for Cemeteries. *Anemone Whirlwind* and *Japonica*, *Astilbe Japonica*, *Achillea* the Pearl, *Eukalias*, *Hemerocallis flava*, *Hydrangea paniculata grandiflora*, *Lilies*, *Lily of the Valley*, Day *Lily* or *Funkia alba*, Chinese *Peonies*, *Polyantha* *Roses*, *Rose Madame Plantier*, *Spirea Van Houttei*, *Vinca minor*.

Dwarf Plants for Edgings and Borders. *Ageratum*, Sweet Alyssum, *Alternanthera*, dwarf *Candytuft*, *Coleus*, Double *Daisies*, *Golden Feverfew*, *Little Gem Feverfew*, *Heliotrope*, *Lobelia*, *Mignonette*, *Mysotis*, *Pansies*, *Phlox Drummondii*, *Pinks*, *Veronica*, *Vinca*, *Violets*.

Fragrant Flowers. *Asperula odorata*, Sweet Alyssum, *Candytuft*, *Carnation*, *Clematis paniculata*, *Honeysuckle*, *Heliotrope*, *Lily of the Valley*, *Lily*, *Mignonette*, *Mirabilis*, *Nicotiana affinis*, *Pansy*, Sweet Peas, *Pink*, *Rocket*, *Rose*, Sweet *William*, *Ten Weeks Stock*, *Tropæolum*, *Tuberose*, *Verbena*, *Violet*, *Wall-flower*.

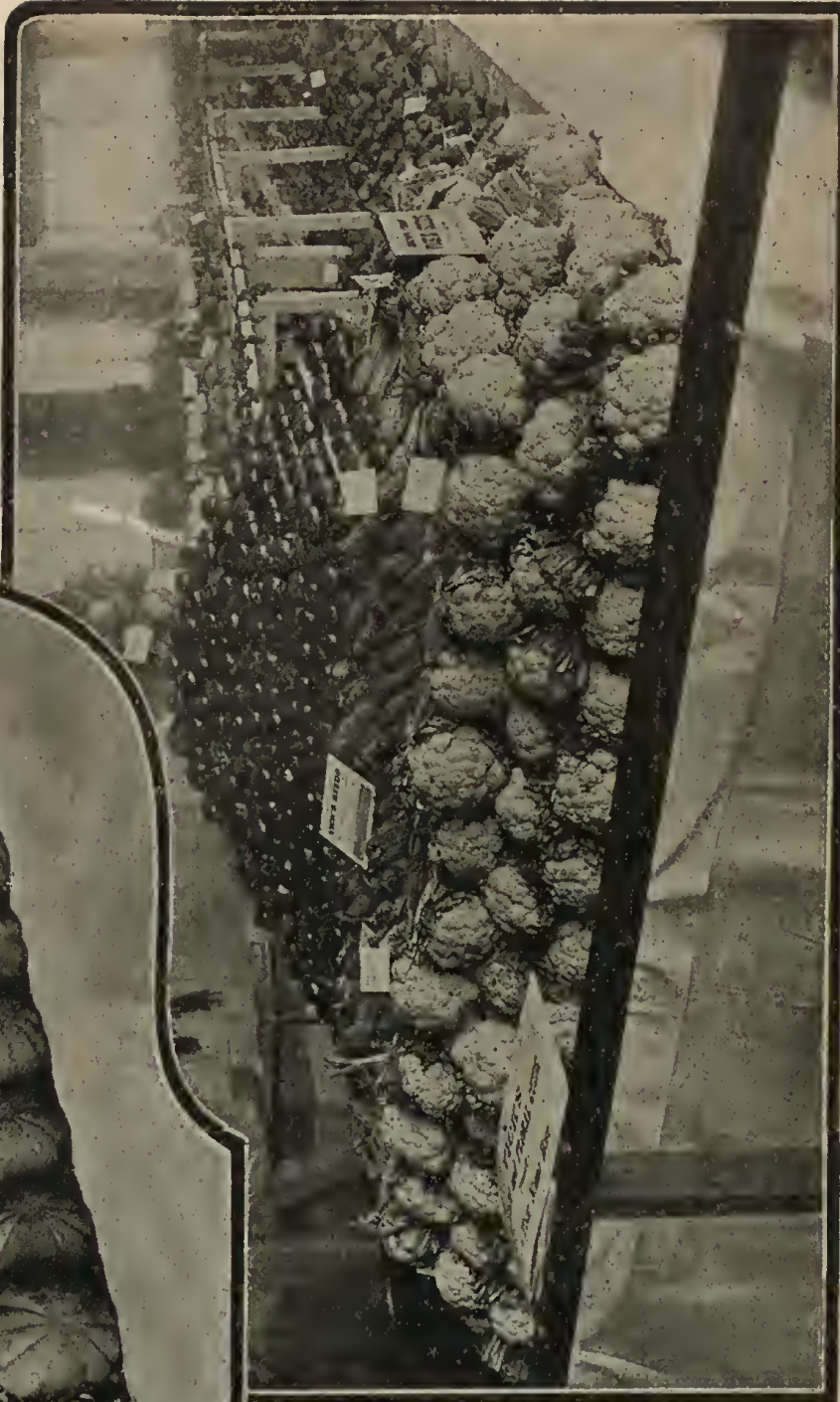
Climbing Plants. *Ampelopsis*, *Aristolochia*, *Adlunia cirrhosa*, *Bignonia radicans*, *Convolvulus major*, *Cobæa scandens*, *Cypress vine*, *Clematis*, *Cardiospermum* (Balloon vine), *Chinese Matrimony Vine*, *Chinese Yam* or *Cinnamon Vine*, *Dolichos*, the *Gourd* family, *Humulus Japonicus*, *Honeysuckle*, *Ipomœa* of different varieties and especially *I. Bona Nox* and the *Brazilian Morning Glory*, *English Ivy*, *Maurandya*, *Perennial Peas*, Sweet Peas, *Climbing Roses*, *Thunbergia*, *Tropæolum majus*, *Wistaria*.

Plants for Vases and Baskets. *Ageratum*, Sweet Alyssum, *Little Gem*, and *Carpet of Snow*, *Abutilon*, *Begonia*, *Canna*, *Cobæa*, *Coleus*, *Cnipea* (Cigar plant), *Dracena indivisa*, *Fuchsias*, *Grevillea robusta*, *Geraniums*, *Heliotropes*, *Lobelia*, *Lantana*, *Mimulus*, *Myosotis*, *Maurandya*, *Manettia* vine, *Madeira* vine, *Nicrebergia gracilis*, *Oxalis floribunda*, *Portulaca*, *Petunia*, *Schizanthus*, *Tropæolum*, *Thunbergia*, variegated forms of *Vinca major*, *Veronica*.

New York State Fair

is a popular meeting place for persons interested in Farming, Stock-breeding, and kindred industries. It is one place where every man says "hello" to the other fellow, for all have a common interest in the exhibits that are educational to those who study them. Our display of Vegetables received more favorable comments than any other display in the building; it showed what any grower could do by using Vick Quality Seeds, and giving the crop ordinary cultivation.

Our \$1,000 Cash Prizes will interest every gardener in the United States, and the competition is open to all users of Vick Quality Seeds. (See frontispiece.)



We did not enter our exhibit of **Superior Vegetables** for Premiums. It was selected from the regular stock of prominent Monroe County Gardeners:

- J. C. Howard, Irondequoit, N. Y.
- Earliana Tomato
- George Arnold, Barnards, N. Y.
- Golden Nugget Sweet Corn
- J. W. Burling, Irondequoit, N. Y.
- Ideal Cauliflower
- N. J. Gould, Albion, N. Y.
- Ailsa Craig Onion and Chantenay Carrot
- Frank Rudman, Brockport, N. Y.
- Irondequoit Muskmelons



Vick Quality Vegetable Seeds



Asparagus Roots

Strong two-year-old from seed give the best satisfaction, producing an earlier and more abundant crop than either one or three-year-old roots. Home grown Asparagus is superior in flavor and tenderness to that purchased at the market. After planting, the bed will last for years.

ASPARAGUS

As Asparagus seed germinates very slowly, it is advisable to pour hot water over it. When cool, pour off the water and treat it again with hot water. Sow seed quite early in spring, in a bed of light, rich, well-manured soil, in drills one foot apart and two inches deep. When the plants are well up, thin to about one inch apart. When the plants become withered, cut them down, and spread well-rotted stable manure two inches deep over the bed. Let the plants remain in the seedbed until they are about to grow, early in spring. The subsoil of the permanent bed should be dry, and if not so, it must be well drained. It should be dug thoroughly at least two and a half feet deep, and mixed with plenty of well rotted manure. For private garden use set the plants in rows two feet apart, and about a foot apart in the row, with crowns four inches below the surface, and spread the roots. For field culture the rows should be six feet apart and two feet apart in the rows. Before winter cover the transplanted beds with about four inches of manure, and fork it in the next spring, being careful not to injure the roots. In autumn, cut the ripe tops and burn the refuse. One pound of good, fresh seed will produce plants sufficient for an acre, and one ounce of seed will sow a drill fifty feet long.

Vick's Mammoth *Is without exception the largest, heaviest and best Asparagus grown.*

A bunch of twelve stalks will weigh three to four pounds. In size, color, and yield, it far surpasses any other variety. The delicacy of its color notably distinguishes it from other green varieties, while its thick stalks are unusually tender and succulent and of delicious flavor. Packet, 5 cents; oz., 10 cents; ¼ lb., 30 cents; lb., \$1.00.

Conover's Colossal. The old standard variety; of large size, rapid growth, and of best quality. Ounce, 5 cents; ¼ lb., 15 cents; lb., 50 cents.

Palmetto. Of Southern origin, but equally adapted for North or South. Early, large, productive, and of excellent quality. Packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; lb., 60 cents.

Columbian Mammoth White. A variety, producing white stalks of large size and finest quality and flavor. Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.

Asparagus Roots

By purchasing plants at least a year of time is saved. The young shoots may be cut for the table the second season. A bed 8 x 27 feet, requiring 100 plants will supply an ordinary family.

Vick's Mammoth. STRONG TWO-YEAR ROOTS—100, by mail, prepaid, \$1.50. By express or freight, not prepaid, per 100, \$1.00; per 1000, \$6.00.

Conover's Colossal. STRONG TWO-YEAR ROOTS—100, by mail, prepaid, \$1.25. By express or freight, not prepaid, per 100, 75 cents; per 1000, \$5.00.

ARTICHOKE

The Globe Artichoke is cultivated for its flower heads, which are used in an undeveloped state, cooked like Asparagus. Plant seed early in spring, three inches apart, in rows one foot apart. When one year old, transplant to rows three feet apart and one foot apart in the row. Where the winters are severe the plants must be thoroughly protected with leaves or dry litter, to keep the crowns from freezing.

Green Globe. Seed, packet, 10 cents; oz., 35 cents; lb., \$3.50.

Jerusalem. See Farm Seeds.

BRUSSELS SPROUTS

Sow seed in early spring and treat like winter Cabbage. One ounce will produce about 5,000 plants.

Improved Dwarf. Packet, 5 cents; oz., 25 cents; lb., \$2.50.

ASPARAGUS, VICK'S MAMMOTH

BROCCOLI

When about four inches high plant out two feet each way, in rich soil. For early summer use many gardeners sow the seed about September 1st and transplant into coldframes the latter part of October. Early in April the plants may be transplanted into the open ground. Cultivate same as Cauliflower. One ounce will produce 4,000 plants.

Purple Cape. One of the hardiest and most popular varieties, and the most certain to form a good head; the earliest of the purple varieties. Packet, 10 cents; oz., 35 cents; ¼ lb., \$1.00; lb., \$3.50.

White Cape. Heads medium size, compact, of a creamy white color, excellent flavor. Packet, 10 cents; oz., 35 cents; ¼ lb., \$1.00; lb., \$3.50.

BORECOLE OR KALE

Sow seed early in June and transplant. Culture same as for Cabbage. One ounce will sow 300 feet of drill.

Packet, 5 cents; oz., 10 cents; lb., \$1.00.

Dwarf Green Curled Scotch. Dwarf, beautifully curled, and bright green; hardy, and may be cut from the ground all the early part of winter.

Dwarf Purple. Like Scotch Kale except in color, but more hardy.

Tall Green Curled Scotch. Finely curled; very hardy; one of the best.

Yanghai, China, Via Chinkiang, May 30th.

James Vick's Sons, Rochester, N. Y.

Dear Sirs:—The asparagus has done well. There is now one shoot nearly eight feet high, and the rest are nearly as high. Such attention as you have always given our small orders, goes a long ways to make life pleasanter for us Americans in exile out here.

Yours truly, A. S. TAYLOR, M. D.



BEANS



THE Dwarf Beans are earliest and most hardy, as a general rule. In garden culture Beans are usually planted about two inches deep, in rows eighteen inches apart, and three inches apart in the row; in field culture, in drills two to three feet apart, so as to cultivate with horse one way. Until blossoming season, frequent but shallow cultivation should be given. Seed of the large varieties should be planted with the eye downward. One quart of seed will be sufficient for 100 hills of Limas, and 250 to 300 hills of the other varieties, and for about 100 feet of drill. Sow one bushel per acre. For prices on larger quantities, see page ? .

Yellow or Wax-Pod Bush Beans

Brittle Wax *Early, Productive, Tender and of Extra Fine Quality*

Stringless and crisp. Pods round, a rich golden yellow, five to six inches long. In comparison with other varieties on our trial grounds, it has proved itself to be a superior sort. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Wardwell's Kidney Wax. This variety is very hardy, extremely prolific, producing a heavy crop of long, flat pods, of a delicate waxy yellow, stringless and brittle. The beans are large, kidney-shaped, white, with dark markings about the eyes. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Rustless Golden Wax

A strong grower, Positively free from rust

and of remarkable vigor. The pods are meaty and well filled, of fine quality, and stringless from first to last. With its fine quality, hardiness, productiveness, and freedom from rust, it has become a general favorite and a great improvement over Golden Wax. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Golden Wax. Pods long, broad, flat, golden-yellow, very fleshy and wax-like, stringless and brittle. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Prolific German Black Wax. An old sort but still retaining its place in the front, and in quality being exceedingly tender and crisp. In our estimation it is one of the best for the home garden. It is early and productive; pods long and round. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Davis White Wax. A white variety, desirable as a string bean; also used as a shell bean when dry. Packet, 10 cents; ½ pint, 20 cents; pt., 30 cents; qt., 50 cents.

Yosemite Mammoth Wax. The pods of this monster Wax Bean are often ten to fourteen inches in length, nearly all solid pulp, and absolutely stringless, cooking tender and delicious. The color of the pods is a rich golden yellow. The plants are extremely large, and should be planted twice as far apart as the ordinary Bush Beans. Packet, 10 cents; ½ pt., 25 cents; pt., 35 cents; qt., 60 cents.

Refugee Wax *Tested on our trial grounds with many other varieties the Refugee*

Wax proved itself to be one of the very best of the wax-pod sorts. The plants produce an abundance of long, round wax-like pods, perfectly stringless, tender and of the finest quality. In color, the pods are a rich, creamy white. This variety is classed among the early sorts, coming into bearing about 40 days after planting and continuing in bearing for several weeks. It is certainly one of the best beans for either the home garden or market. Packet 10 cents; ½ pt., 20 cents; pt. 30 cents; qt., 50 cents.

Michigan White Wax. A bean of exceptional value on account of its earliness, vigorous growth and productiveness. The seed is clear white, for cooking cannot be excelled, and for a dried bean Michigan White Wax is the leader. We have great confidence in recommending this comparatively new sort, being assured from our own trial ground results that it cannot fail to give unlimited satisfaction to those preferring a white bean. May be cooked early in the pod, or later as dried beans. Packet, 10 cents; ½ pt., 25 cents; pt., 35 cents; qt., 60 cents.



RUSTLESS GOLDEN WAX BEAN

A GOOD HOME GARDEN is a great institution. It furnishes food for the family throughout the summer, and if properly handled a liberal supply for winter. Some gardens are handled so skillfully that there is a surplus of vegetables for sale almost every week. It means much to the family and should be planned with utmost care and given the very best attention." This is the opinion of a writer in a prominent agricultural paper. **A good garden demands good seed,** and Vick's Seeds are the highest quality obtainable,—grown by experts, carefully cleaned, true to name, sure to grow. Thousands of satisfied customers use **VICK QUALITY SEEDS.**

Green-Pod Bush Beans

Stringless Green-Pod *The Best Early Stringless Green-Pod Bean in Cultivation*

The pods are absolutely stringless, full, fleshy, crisp, very tender, and of the finest flavor, remaining long in edible condition. Ready for the market two weeks earlier than Valentine, and very prolific. Too much cannot be said in favor of this most excellent Bean, which has become a general favorite among growers. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Giant Stringless Green-Pod. This is a distinct new cross-bred variety, possessing all the merits of the old favorite Round-Pod Valentine, but is more prolific; the pods are large, being five to six inches in length, and are absolutely stringless, unusually crisp, round, full, and fleshy; qualities which highly recommend for home and market gardens. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.



BRITTLE WAX BEAN

Longfellow. A round, solid, very early, Green-Podded Bean. Good quality, being tender and crisp, also exceedingly prolific. One of the best for the home garden or market. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Extra Early Red Valentine. One of the most popular of the extra early green snap sorts. The pods are round, fleshy, and well filled with beans of excellent quality. Pkt., 10 cents; ½ pt., 15 cents; pt., 25 cents; qt., 40 cents.

Extra Early Refugee. One of the earliest of the green-podded sorts, being about two weeks earlier than the ordinary Refugee, while possessing all the superior qualities of that variety—straight, cylindrical, tender pods, of fine flavor and handsome appearance. Excellent for pickles. It is an enormous yielder, and sure cropper. Packet, 10 cents; ½ pt., 15 cents; pint, 25 cents; qt., 40 cents.

Bountiful. A new Green-Podded Bush variety that has come into prominence in the past few years, owing to its superior quality, earliness and productiveness. One great feature is that while it bears early, its pods remain in an edible condition for a long time. Packet, 10 cents; ½ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Dwarf Horticultural. A standard New England sort. The pods are medium in length, cylindrical, curved, splashed with bright red on a yellowish ground. The beans are round and speckled. Pkt., 10 cents; ½ pt., 20 cents; pt., 30 cts; qt., 50 cents.

Long Yellow Six Weeks. A very early standard variety, much prized for its productiveness and excellent quality. The green pods are often eight inches long, tender and brittle. Pkt., 10 cts.; ½ pt., 20 cts.; pt., 35 cts.; qt., 50 cts.

Vick's Golden Nugget Sweet Corn

Monroe County (the garden of the Empire State) is the home of this favorite variety, but it is known in every State in the Union. It ought to be in your garden. 15 cents per packet; 40 cents per pint. Why not invite it today to visit you next summer?



Wouldn't you like to grow your own Vegetables, and be able to gather them every day—fresh, crisp, luscious, and sparkling with the morning dew? A splendid assortment for a medium-sized garden is contained in our No. 5 Vegetable Collection, twenty-one varieties for \$1.00 postpaid



Field Beans

Large White Marrow. Extensively grown as a dry bean for winter use. The beans are large, clear white, cooking dry and mealy. ½ pint, 20cts; pt., 30 cts.; qt., 50 cts. Per bushel, at expense of purchaser, \$4.50.

Red Kidney. A popular field sort, Hardy and heavy yielder. ½ pt., 20 cts.; pt. 30 cts.; qt. 50 cts. Bushel, \$4.50. Freight or express to be paid by purchaser.

Dwarf Bush Lima Beans

Fordhook Bush Lima

Without doubt the best Dwarf Bush Lima

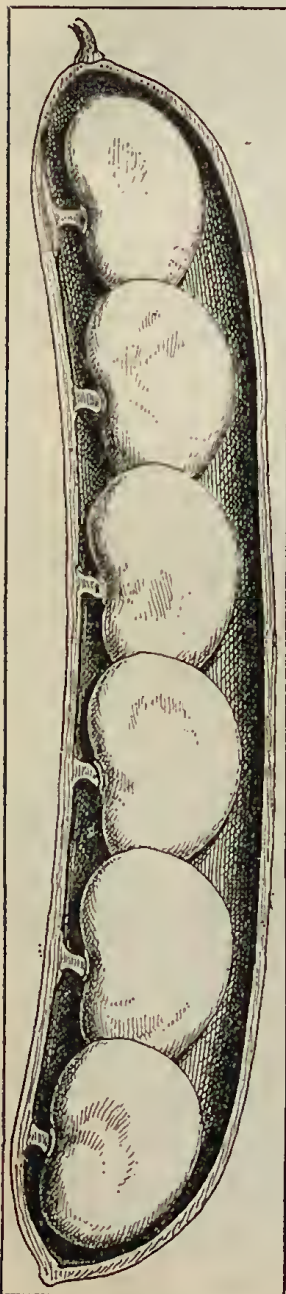
Earlier than the Pole Limas by ten days. Pods measuring from four to five inches in length, containing four to five large beans. The plants grow to a height of 20 to 30 inches; are strong and bushy, of a rich dark green color. Packet, 15 cents; $\frac{1}{2}$ pt., 25 cents; pt., 45 cents; qt., 75 cents.

True Bush Lima (Burpee's.) The bush grows from eighteen to twenty-four inches high, branching freely, bearing from 50 to 200 large pods, well filled with delicious buttery beans. Plant in rows three feet apart, and thin to twelve or eighteen inches apart in the row. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Wood's New Prolific Bush Lima. A greatly improved strain of Henderson's Bush Lima, or Dwarf Sieva Bean. Equally as early and prolific, and produces much larger pods and beans. Being about two weeks earlier than the true Limas, it is very desirable for planting for an early supply, or in latitudes where the true Limas do not succeed well. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Improved Bush Lima (Dreer's, Kumerle, or Thorburn.) Similar to above. The beans in the pod grow close together, are very thick, and of superior flavor. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Pole, or Running Beans



About the middle of May plant four to six beans around poles eight to ten feet high, setting poles four feet apart each way. Thin to three plants to a pole if the soil is rich.

Old Homestead (Kentucky Wonder). Far ahead of any other green Pole Bean. Ten days earlier than any other green sort, being fit for the table by the first of August. It is enormously productive, entirely stringless. The pods, though large, cook tender, and are delicious. A most excellent snap variety. Packet, 10 cts.; $\frac{1}{2}$ pt., 20 cts.; pt., 30 cts; qt., 50 cts.

Early Golden Cluster Wax. A vigorous and very productive variety; pods enormously large and long, flat, waxy yellow, tender, and of excellent quality. Packet, 10 cents; $\frac{1}{2}$ pt., 25 cents; pt., 35 cents; qt., 60 cents.

White Dutch Case-Knife. Good as a shell bean, either green or dry. One of the earliest, and very productive. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

London Horticultural, or Speckled Cranberry (Wren's Egg.) Vines moderately vigorous; pods short, broad, pale green, but becoming streaked with bright red. Popular as a shelled bean, either green or dry. Many people prefer it to the Limas. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Scarlet Runner. An old favorite; used both as string and shelled beans. Vines strong, rapid growers, often used for ornamenting porches and trellises. Flowers brilliant scarlet. Blooms from early in summer until late in fall. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cts.; pt., 30 cts.; qt., 50 cts.

Siebert's Early Lima. The earliest true Lima. The vine is so productive that although the pods rarely contain more than four beans the yield is enormous, and is produced from the very first to the last of the season. The green shelled beans are of immense size, but so tender and succulent that they shrink in drying to about the size of the Large White Lima. Packet, 10 cts.; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cts.

Extra Early Jersey Lima. Does not differ materially from other varieties of Lima Beans, except in earliness; in this it has the advantage of from ten days to two weeks over the Large White Lima. Packet, 10 cts.; $\frac{1}{2}$ pint, 20 cts.; pt., 30 cts.; qt., 50 cts.



TRUE BUSH LIMA BEAN

Improved Lima (Dreer's). Early and productive. Vines very stout and vigorous. The pods are much thicker than those of the other Limas and contain from four to five large, thick, white beans, of the very best quality. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

"King of the Garden" Lima. A vigorous grower, requiring but two vines to each pole. Begins flowering early, at the bottom of the pole, producing a continuous bloom and frutage to the end of the season. Pods measure from five to eight inches, and contain five, six, and seven perfectly formed beans of superior edible quality. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

Large White Lima. This old well-known sort needs no description. The green beans, most tender and delicious, are a delight to all in summer, and the dried beans in winter are excellent. Packet, 10 cents; $\frac{1}{2}$ pt., 20 cents; pt., 30 cents; qt., 50 cents.

White Kidney (Royal Dwarf). An excellent shell bean for use as a green bean in succotash, and one of the best for winter use; unsurpassed for baked beans. $\frac{1}{2}$ pint, 20 cents; pt., 30 cents; qt., 50 cents. Bushel, at expense of purchaser, \$4.00.

Large White Marrow. Extensively grown as a dry bean for winter use. The beans are large, clear white, cooking dry and mealy. $\frac{1}{2}$ pint, 20 cts.; pt., 30 cts.; qt., 50 cts. Per bushel, at expense of purchaser, \$4.50.



FORDHOOK BUSH LIMA BEAN



B E E T S



FOR Beets the soil should be rich, mellow, and deep. For early use, sow in a hotbed, and transplant, cutting off the outer leaves. For main crop, sow as early as the ground can be worked, in drills about one inch deep and the rows about fifteen or eighteen inches apart, dropping the seeds about two inches apart, and pressing the soil firmly over them. When the young plants are two to three inches high, thin to five or six inches. For winter use, the turnip varieties may be sown the first week in June, and in October the roots can be stored in a cellar, covering them with sand to prevent shriveling; or they may be kept in pits out of doors. One ounce to fifty feet of drill; five pounds to an acre.

Packet, 5 cents; oz., 10 cents; 1/4 lb., 35 cents; lb., \$1.00; except when noted.

Crosby's Egyptian. A carefully selected strain of Egyptian, as early as the original, but larger, thicker, smoother, and of better quality. Flesh deep blood-red. It is a rapid grower, attaining a usable size quicker than any other variety, and does not become woody with age. Profitable in almost any soil and extremely satisfactory for the small gardener as well as for the market.

Extra Early Egyptian Blood Turnip. A standard sort; ten to twelve days earlier than the old Blood Turnip; fine for forcing and for first early crop out of doors. Roots rich, dark crimson, with very small tap roots; flesh dark blood-red, zoned with lighter shade; crisp, sweet and a desirable and profitable Beet for the market gardener, as well as an exceptionally good variety for the home garden.

Early Eclipse. This variety is exceedingly popular, and is one of the best early sorts. The tops are small, which admits of close planting. The roots are of a globular shape. Flesh fine-grained, very sweet, crisp, and tender; dark red, zoned with a lighter shade.



CROSBY'S EGYPTIAN



THE ROCHESTER

The Rochester. A perfect Beet in all respects; brilliant crimson in color, globe-shaped, with a very smooth skin, and an exceedingly small tap-root, fine-grained, sweet in flavor, and tender at all times. The foliage is small, admitting of close planting. Not only a market gardener's sort but one of the best for the kitchen garden, as it is extra early. Packet, 10 cents; oz., 20 cents; 1/4 lb., 40 cents; lb., \$1.25.

Arlington Favorite. A dark-leaved, early blood variety, closely following Eclipse in maturing, but of much darker color; perfectly round.

Detroit Dark Red. Roots medium in size, globular, and very smooth; skin a dark blood-red; flesh deep bright red, fine-grained, tender, and sweet, remaining so long after many sorts become woody. Tops small, admitting of close planting. On account of its fine appearance it has been said to be particularly a market gardener's variety, but Detroit Dark Red is in every way a desirable Beet for home garden planting.

Early Bassano. An early good turnip Beet, tender and juicy. Flesh white and rose. Grows to a good size. Sown late, it keeps well in winter.

Edmand's Early Blood Turnip. A market gardener's strain; regular in shape, round, with very small tap-root; flesh a deep blood-red, sweet and tender.

Bastian's Early Blood Turnip. Tops small; roots turnip-shaped; flesh tender, blood-red color. A good second early variety.

Dewing's Improved Early Blood Turnip. Turnip-shaped, smooth, tender, and good. About ten days after Bassano.

Half-Long Blood Red. An entirely distinct variety. The roots are symmetrical, somewhat pear-shaped, smooth and handsome; flesh a rich dark red, and very sweet, never becoming woody.

Long Smooth Blood Red. Tops large, with good-sized long roots, tapering, and growing even with the surface; dark red; flesh very sweet and tender, remaining so when kept till spring. A popular winter sort.

Des Moines, Iowa, Feb. 15, 1909

James Vick's Sons, Rochester, N. Y.

Dear Sirs: I want to say with emphasis, that I have never purchased seeds elsewhere that gave me the satisfaction that yours have always done, and when I purchase in any considerable quantity you may be sure you will get my order. I have always recommended your seeds to my friends and presume you have received orders from them, and hope you will receive many more.

Yours very truly, J. M. BENTON

REMEMBER We pay the Postage or Express Charges, on all Seeds, unless otherwise noted. Most seedsmen require YOU to pay these items.

FOLIAGE BEETS—Swiss Chard

Used for Leaves and Leaf-Stalks only.

The Swiss Chard is cultivated exclusively for the leaves, which may be cooked like Spinaeh. See d may be sown in April or May, in drills eighteen inches apart and an inch and a half deep. Thin the plants to ten or twelve inches apart and cultivate the same as for the common Red Beet.

Beck's Improved Sea Kale. A variety of Beet with tender leaves, popular for cooking as "greens;" if sown at the same time as the garden Beet it will be fit for greens much earlier. The middle of the leaf is cooked and served like Asparagus; the other portion are used like Spinach. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

Large-Ribbed Scarlet Brazilian. Stems and veins a beautiful crimson color; fine for garnishing. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Large-Ribbed Yellow Brazilian. Same as above, except in color, which is golden yellow. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Large-Ribbed Silver. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

MANGEL WURZEL

Mangel Wurzels are of especial value to the stockman and dairyman. The roots are juicy, sweet and refreshing, act as a mild laxative, keep the cattle in good health, thus tending to produce flesh and increasing the flow of milk. The owner of even one or two cows should grow a sufficient quantity of Mangels to provide fresh food in winter when green food is unobtainable. For field culture the rows should be wide enough to admit the horse cultivator, and the roots not nearer than one foot in the row. Sow five or six pounds of seed to the acre.

Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Vick's Golden Giant *Our Leader*

Very productive. Root of magnificent size, growing with half its bulk above ground, making it easy to lift and gather. Root uniform in shape, with a smooth, russet yellow skin; flesh white, firm sweet, and greatly relished by cattle. An excellent keeper.

Vick's Mammoth Long Red This is truly a mammoth, a single root often weighing twenty to thirty pounds. Enormously productive, yielding thirty to forty tons of roots per acre.

Golden Tankard. A distinct variety, particularly valuable on account of its richness in saccharine matter, and highly prized by dairymen for its milk-producing qualities. All stock will thrive on it. Deep yellow flesh and skin.

Champion Yellow, or Orange Globe. The best round Mangel. Keeps well for winter use. It is also valuable for growing in shallow soils.

Red Globe. Similar to Yellow Globe except in color, which is a light red or pink.

SUGAR BEETS

When the Sugar Beet is planted for a sugar crop, from six to eight pounds of seed will be required for an acre. Seed may be sown in drills twenty to thirty inches apart. When beets are up two or three inches high, they should be thinned out so as to stand from six to eight inches apart. Discontinue cultivation after formation of roots has commenced. Although Sugar Beets are grown principally for sugar-making and for stock-feeding, they are very desirable for table use, being more tender, sweeter, and of better flavor than any of the sorts grown for that purpose. Everyone should try them.

Klein Wanzleben Sugar. Is being cultivated in Germany almost exclusively for sugar, on account of its great yield of saccharine matter. It gives good returns in any ordinary soil. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Imperial White Sugar. One of the sweetest and best of Sugar Beets. Very productive and desirable for stock of all kinds. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.

Vilmorin's Red-Top Sugar. Matures earlier than other varieties of Sugar Beet, and yields a good percentage of sugar. A heavy cropper, largely grown for cattle feeding. Ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cents.



SUGAR BEET KLEIN WANZLEBEN



Mangel
Wurzel

Vick's
Golden
Giant

We pay the postage or express charges on all goods listed in this Catalogue, unless otherwise noted. Most other seedsmen ask you to pay these charges.



CABBAGE



MANY gardeners and truckers depend on this crop almost entirely; and, realizing this fact, we are making a specialty of the varieties we offer. We know from repeated trials that no varieties are more reliable and none that can be more implicitly depended upon. Plant the large varieties three feet apart; the small, early sorts, eighteen inches to two feet; setting the plants down to the first leaf. One ounce of seed will yield about 3,500 plants. If Cabbages are troubled with insects, use Vick's Insect Exterminator—see page 93.

Selected Early Jersey Wakefield

A Leading Early Variety. Popular for the Private garden, and a Money-Maker for the Market-Man.

Our stock of this standard Cabbage is grown and selected with the greatest care, and can be relied upon both for vitality of seed and trueness to type. The heads are conical in shape, solid, and compact; the outer leaves are thick and heavy, which make the Jersey Wakefield the best for wintering over and very early setting. Packet, 5 cents; oz., 25 cents; lb., \$2.50.

Charleston, or Large Wakefield. A strain of Wakefield in which the heads are decidedly larger and not so pointed, and about a week later. Packet, 5 cents; oz., 25 cents; lb., \$2.50.

Early Winnigstadt. A distinct second early sort, and one of the best for general cultivation. Being very hardy, it is therefore less subject to wet or drouth, insects or disease. A sure-heading variety, giving entirely satisfactory crops. The heads are uniform in size, conical in shape, and very solid. It is valuable for early use, and on account of its solidity, and short, thick leaves, it makes also a good winter Cabbage. Packet, 5 cents; oz., 20 cents; lb., \$2.00.



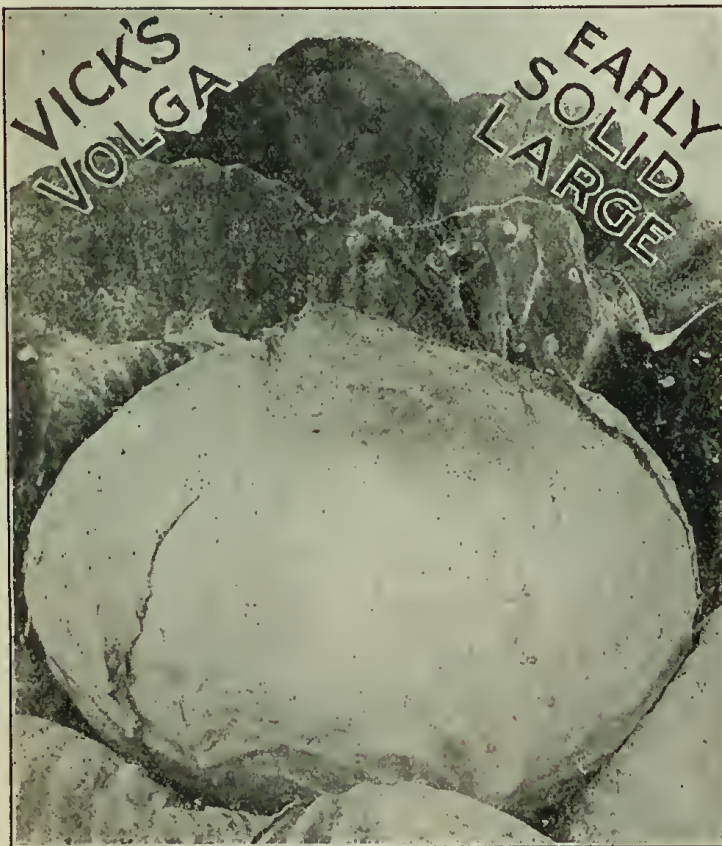
SELECTED EARLY JERSEY WAKEFIELD

The 20th Century *Earliest of all Cabbages*

This variety, introduced by ourselves in 1900, came to us from Denmark, the home of the famous Danish Ballhead Winter Cabbage, and is without exception the earliest Cabbage yet introduced. In the 20th Century we have the round shape like All Seasons and others, which is the preferable form. The heads are medium sized, and solid as a cannon-ball. It grows more compactly than either Wakefield or Winnigstadt. For garden use it is unexcelled. Packet, 10 cts.; oz., 40 cts.; lb., \$5.00.



VICK'S 20th CENTURY CABBAGE



Volga. We consider this the most profitable Cabbage we have ever grown for a fall crop. The heads are extremely solid, large, round as a ball, of uniform size, and do not crack; few outer leaves and a short stem. Not only have we tested it on our trial farm, and found it in all respects an exponent of Vick Quality, but multitudes of growers proclaim its superiority. (See letter on next page from Mr. Day.) Packet, 10 cents; oz., 40 cents; 1/4 lb., \$1.10; lb., \$3.50.

Improved Early Summer. Matures about ten days later than the Jersey Wakefield. It is a large-heading variety, nearly round, somewhat flattened, solid and uniform in size, and will keep longer without bursting than most of the early sorts. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

All Seasons A very superior, sure-heading, long-keeping sort, unsurpassed by any other. The heads are large, nearly round, somewhat flattened, very solid, and in quality the best. Packet, 5 cents; oz., 25 cents; lb., \$2.50.

Autumn King or World Beater. Grows to an enormous size, making heads as solid as a rock, and coming uniformly true to type. It can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, having few outer leaves. Packet, 5 cents; oz., 25 cents; lb., \$2.25.

Hollander. A selection from the Danish Ballhead. The growing of the seed in this country has changed the type to a large flat head and shorter stem. It is preferred by some on account of size. Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; lb., \$3.

Selected Premium Late Flat Dutch. No introduction is necessary for this old, reliable, and popular Cabbage. It produces large, solid heads of superior quality, keeping in best condition for a long time. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

Vick's Improved Danish Ballhead *Heads Hard, Solid, Tender and Crisp. The Leading Late Sort*

No Cabbage of late introduction has attained to so great popularity, or given such general satisfaction as Vick's Improved Danish Ballhead. It commands a higher price in the market than any other variety. It is remarkable for the solidity of its heads and long-keeping qualities. The heads are of medium size, with few outer leaves, admitting of close planting; exceedingly fine-grained, hardest of all, tender, crisp, solid, with no waste heart. Will average six pounds per head. Do not be deceived by substitutes. There is only one Improved Danish Ballhead Cabbage, and this we import direct from our original grower in Denmark. Packet, 5 cents; ¼ oz., 10 cents; oz., 30 cents; lb., \$3.00.

Vick's Short-Stemmed Early Danish Ballhead. A new strain selected from the famous Danish Ballhead

Cabbage, and is bound to become one of the best and most popular sorts both for home and market growing. The heads are very large; as round as balls and as solid as bullets. The interior leaves are pure white, crisp and tender. On account of their solidity, cabbages of this variety will outweigh those of any other variety of the same size. It is short-stemmed and as strong and vigorous as any other American variety. Fully two weeks earlier, and will keep and ship as well as Danish Ballhead. Packet, 5 cents; ¼ oz., 10 cents; oz., 35 cents; ½ lb., \$1.00; lb., \$3.50.

The Danish Ballheads are particularly adapted to the Northern States, and do not reach perfection in the warmer southern climates.



CABBAGE, IMPROVED AMERICAN SAVOY

Louisville Drumhead. A variety grown largely by market gardeners in the Southwest. It stands hot weather better than most other sorts, and is a sure cropper. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

Improved American Savoy. Decidedly the peer of all Savoy Cabbages, either for market or kitchen garden, and a reliable header. The heads are large, solid, and possess a fine delicate flavor. The curled and crimped leaves are of a dark rich green color. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

Mammoth Rock Red. This is by far the best, largest, and most reliable heading red Cabbage ever introduced. The head is large, round, very solid, and of a deep red color. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

OTHER STANDARD VARIETIES OF CABBAGE.

Early Blood Red. Early Spring Surehead
Allhead Early Fottler's Improved Brunswick.
Improved Succession Large Late Drumhead.
Packet, 5 cents; ounce, 20 cents; pound, \$2.00.

COLLARDS

This is a variety of Cabbage largely grown in the South, where it is extensively used for both table and stock. It forms a large, loose, open head or mass of leaves. Freezing does not injure it. Sow seeds in the South from January to May, and August to September.

True Georgia. Packet, 5 cents; oz., 10 cents; lb., \$1.00.

Owosso, Mich., Oct. 22, 1909

James Vick's Sons, Rochester, N. Y.

Gentlemen: We are cutting our late cabbage, and the "Volga" is still proving to be a leader for size. We have heads weighing between 15 and 20 pounds.

F. B. DAY.

Nutson & Lathrop Friday morning showed to a representative of the Press-American something out of the ordinary, in the vegetable line. The curiosity was a head of Volga Cabbage, weighing 14½ pounds grown on the farm of F. B. Day in Bennington township. Mr. Day delivered to the firm about 150 of these cabbages. All were of great proportions, but this particular one was the heaviest.—From Owosso Press-American, Sept. 7, 1909.



Vick's
Improved
Danish
Ballhead

CARROT

FOR garden culture, sow in drills sixteen to eighteen inches apart, covering the seed half an inch to an inch deep. For field culture, sow in drills from twenty to thirty inches apart, and when plants are one to two inches high thin out to from three to eight inches apart in the rows, according to the variety. One ounce will sow 100 feet of drill; three to four pounds to an acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00; except as noted.

Earliest French Forcing. The earliest of all varieties, and especially adapted for cultivation under glass, both on account of its earliness and the shortness and small size of its roots. It is also one of the best sorts for the table; delicate, fine-grained, and remarkably fine-flavored. It is also used by gardeners for bunching for early market. Root orange-red. Top very small.

Early Scarlet Horn. This is a favorite for early crop, but not large; sold extensively in all markets bunching. The tops are small; roots top-shaped, stump-rooted, therefore easily pulled. Grows well in shallow soil.

Half-long Nantes Stump-rooted. Of medium size, admirably adapted for bunching, and one of the best for summer use for the home garden. Roots about six inches long, very smooth and cylindrical, with no core; very sweet and tender.

Chantenay Stump-rooted. One of the best early Carrots in cultivation. In shape it is midway between the Half-Long Nantes Stump-Rooted and the Guerande or Oxheart varieties, nearly equaling the former in length, and having the broad shoulder and tapering root of the latter. Its color is orange-red; the flesh crisp and tender. Very early and a heavy cropper. A Carrot which market gardeners should plant for their main early crop.

Guerande or Oxheart. This variety has given great satisfaction. While not attaining one-half the length of many other varieties, it will compare favorably in bulk of crop, as on good land it will produce Carrots four to six inches in diameter. The crop can be pulled by hand. Excellent for table use, as well as for stock. Truly a market gardener's favorite. It is also one of the best for summer use for the home garden. Roots are about six inches long, smooth and cylindrical; no core; sweet and tender.

Danvers Half-Long Orange. A first-class variety; flesh dark orange. The smooth, handsome roots are of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, and tender. A great favorite with market gardeners; also valuable for a field crop, owing to its productiveness. Packet, 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb., 80 cts.

St. Valery Intermediate. One of the best and handsomest main-crop Carrots. The roots are symmetrical, tapering regularly from the shoulder to tip, smooth, and free from side roots. The core is small and tender. Enormously productive. Very desirable for private gardens, as well as for market. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Improved Long Orange. The old standard and popular variety. It grows to a large size, some specimens measuring twelve inches in length. Enormous crops can be grown under fair culture. One of the best varieties for feeding stock. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Improved Short White (Vosges). For a field Carrot this is unexcelled. The roots are short, very heavy at the shoulder, tapering to a point, and therefore easily harvested. Especially suited to shallow soils. Enormously productive. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.

Belgian Carrots. The great stock-feeding Carrots of Europe. Roots grow to a large size; partly above ground. Very productive. Orange Belgian, White Belgian. Pkt., 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cts.; lb., 60 cts.



CARROT, GUERANDE OR OXHEART

Seeds grown under expert supervision and "just right" conditions are WORTH more than seeds picked up at a corner store. But they don't COST any more.



CARROT, CHANTENAY STUMP-ROOTED
Illustration Natural Size

CIVES OR CHIVES

These are very hardy perennial plants, belonging to the Onion family. They are grown exclusively for their tops, which are used for giving a mild onion-like flavor to soups, stews, etc. Planted in clumps in any good garden soil, they grow readily, and increase so as to render a division necessary. The tops appear very early in spring, and can be cut throughout the season. Roots, per bunch, 25 cents, by mail, prepaid.

CORN SALAD—Fetticus

A favorite salad plant in Europe, used in winter and spring as a substitute for Lettuce. The leaves are sometimes boiled and served as Spinach. It is hardy and quick-growing. Sown in August and September, in drills one foot apart, and protected with a few leaves or straw during winter, it can be gathered very early in spring. Sown in April it is soon fit for use. The soil for Corn Salad should be very rich. Sow two ounces to 100 feet of drill. Packet, 5 cents; oz., 10 cents; lb., 60 cents.



CELERY



Celery seed is slow to germinate, and when early plants are wanted it should be sown in a hotbed in February or March, barely covering the seed. When the plants are large enough, transplant into coldframes, one and a half inches apart; water and attend carefully; keep the temperature moderate; and when the weather is suitable, from middle of May till June, transplant into the open ground. For main crop, sow in shallow drills in the open ground, as soon as the soil can be worked. See that the bed is kept well watered. Rolling or pressing in the seed will give more satisfactory results than merely covering it. When the plants are two inches high, thin out to three inches apart in the rows; and when four inches high, cut off the tops to make the plants stocky. The best time to plant is that which will bring the plants to maturity during the cool, moist weather—in this locality from the middle of June to early in July. Never hoe or earth up in moist weather, nor when the plants are wet with dew, as it would cause serious injury. One ounce of seed will produce 4,000 to 5,000 plants.

Paris Golden Dwarf Self-Blanching

The quality, flavor and habit of this variety is unsurpassed. This celery originated in France and has become a leading variety in America for all purposes—both home garden and market growing. The quality is the very best, being solid, tender, crisp, with a soft golden yellow color. The flavor is delicious, rich and nutty. In habit of growth it is dwarf, stocky, uniform in height, and very compact. Our seed of this variety is grown in France, shipped direct to us by the originator who grows it specially for us and is absolutely reliable in every respect. Our market gardener's strain, packet, 10 cents; oz., 50 cents; lb., \$5.50.

Rose-Ribbed Paris Self-Blanching. This magnificent sort comes to us from the originator, the grower of our market garden strain of Golden Self-Blanching, and resembles in general character that most valuable variety. The stalks are large, thick, and beautiful, tinted with rose color at the base, while the upper part of the stems, particularly the hearts, are a deep, rich yellow. Packet, 10 cents; oz., 30 cents; lb., \$3.00.

Pink Plume. The red Celeries are of very fine quality, possessing a peculiarly rich nutty flavor. This variety possesses all these good qualities, while its delicate pink color gives it a handsome appearance. Packet, 5 cts.; oz., 25 cts.; lb., \$2.50.

White Plume. A variety especially adapted to cultivation by amateurs as its inner stalks and leaves are naturally white, and do not require blanching by the old process of high banking. By tying up the stalks and drawing up the soil with the hoe, the work of blanching is complete; tender, crisp, and of good flavor. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

Giant Pascal. This is a selection from the Golden Self-Blanching Celery. The stalks are very large, thick, solid, and crisp. It has a fine nutty flavor, and free from any trace of bitterness. It blanches with but slight earthing up, retains its freshness a long time after being marketed. Packet, 5 cents; oz., 20 cents; lb., \$1.75.

Improved Golden Heart. A selection from the old favorite Golden Heart Celery. Grown extensively for private use as well as for market. Improved Golden Heart is one of the finest late varieties, the outer stems being a clear white, while the heart is a rich golden yellow. The flavor is rich and nutty—so much desired by connoisseurs. You can grow just as nice Celery in your garden as any professional gardener. Packet, 5 cents; oz., 20 cents; lb., \$2.25.



CELERY, PARIS GOLDEN DWARF SELF-BLANCHING

Turnip-Rooted (Celeriac) Large Smooth Prague. This is an improved form of the Turnip-rooted Celery. Roots large, round and smooth, and free from side roots; a profitable variety for market gardeners. Sow seed same as Celery, transplant into rows two feet apart and about six to eight inches in the row. No earthing up is required for Celeriac, as it is the roots which are the edible portion of the vegetable. Packet, 5 cents; oz., 20 cents; lb., \$2.00.

OTHER STANDARD VARIETIES OF CELERY.

Perfection Heartwell,	Giant Golden Heart,
Boston Market,	Laing's Mammoth Red,
Giant White Solid,	Winter Queen,

Packet, 5 cents; oz., 20 cents; lb., \$1.75.

Seeds for flavoring. Excellent. Ounce, 10 cents; lb., 40 cents.

AT PRICES quoted in this Catalogue we will prepay the Postage or Express Charges, unless otherwise noted. Most other seedsmen ask you to pay these items.

Sweet Corn

Sweet Corn should not be planted very early in the season, for it will not make any progress until the weather is warm, and the seed will be very apt to rot. Plant in hills, three feet apart for the earliest varieties, and three and a half to four feet for the late ones. One quart will plant 200 hills; 8 to 10 quarts for an acre in hills.

Packet, 10 cents; 1/2 pint, 15 cents; pint, 25 cents; quart, 40 cents; except as noted.

Vick's Golden Nugget

The Most Popular Sweet Corn of Recent Years

This extra choice variety was introduced by us in 1892, and for several years has been a favorite with thousands of our customers. The ears are large, from one and a half to two inches in diameter, and about seven inches long, producing twelve rows of plump, tender, sweet and milky kernels, and are ready for use very soon after the early sorts, and far excel any other variety in quality and flavor. When cooked it is a beautiful creamy color, making it particularly attractive for the table. The superiority of Golden Nugget is so strongly marked that we want all our friends to try it. The seed is grown on our own farm, under skillful supervision, carefully cured, and in all ways up to the mark of Vick Quality. Packet, 15 cents; 1/2 pt., 25 cents; pt., 40 cents; qt., 60 cents.

First Early Varieties

Vick's Earliest of All. This is in fact the "earliest of all." Very excellent, tender, and sweet. To market gardeners this variety is of great value, as the first Sweet Corn will bring two or three times the price it commands when the supply becomes general. Also desirable for home garden.

Mammoth White Cory. An excellent sort but little later than Earliest of All. In fact our selection of seed stock and careful growing of this strain make it the largest and best extra early in our list. The stalks are large, while each stalk bears two or more large, fine-shaped ears, twelve-rowed; remarkable for its good quality for so early a sort. All gardeners who cater to the best trade should plant this variety.

Metropolitan. A favorite, considered by many as superior to other early sorts. The plant grows five to six feet in height; the ears average nine inches long, are 10 to 12 rowed, well filled out, and set low on the stalk; the kernels are exceedingly white in color. Sweet and tender.

Early Minnesota. An old and popular dwarf variety. Ears fine, of good sweet quality. Desirable for both the market and private garden.

Hiawatha. A new variety of unusual merit. Early, productive and quality of unsurpassed sweetness. From five to six feet tall; ears seven to eight inches in length, and fourteen to sixteen rows of tender, juicy kernels. It is a desirable variety for either the home garden or the market gardener. Packet, 10 cents; 1/2 pint, 20 cents; pint, 30 cents; quart, 50 cents.

Extra Early Golden Bantam.

The Golden Bantam is early, very hardy and will stand planting earlier in the season than other varieties. It grows about four feet high, bearing one or two medium sized ears of a rich, golden, yellow color. When cooked is exceedingly sweet and tender. Next to Vick's Golden Nugget it is the ideal corn for the home garden. Packet, 10 cents; 1/2 pint, 20 cents; pint, 30 cents; quart, 50 cents.

Kendel's Early Giant. This variety is one of the largest early Sweet Corns. It comes in soon after the Cory. Ears eight to ten inches long, 12 to 18 rowed, filled well to the tip with broad, white, sweet kernels of excellent flavor. Stalks short, bearing one to two ears.

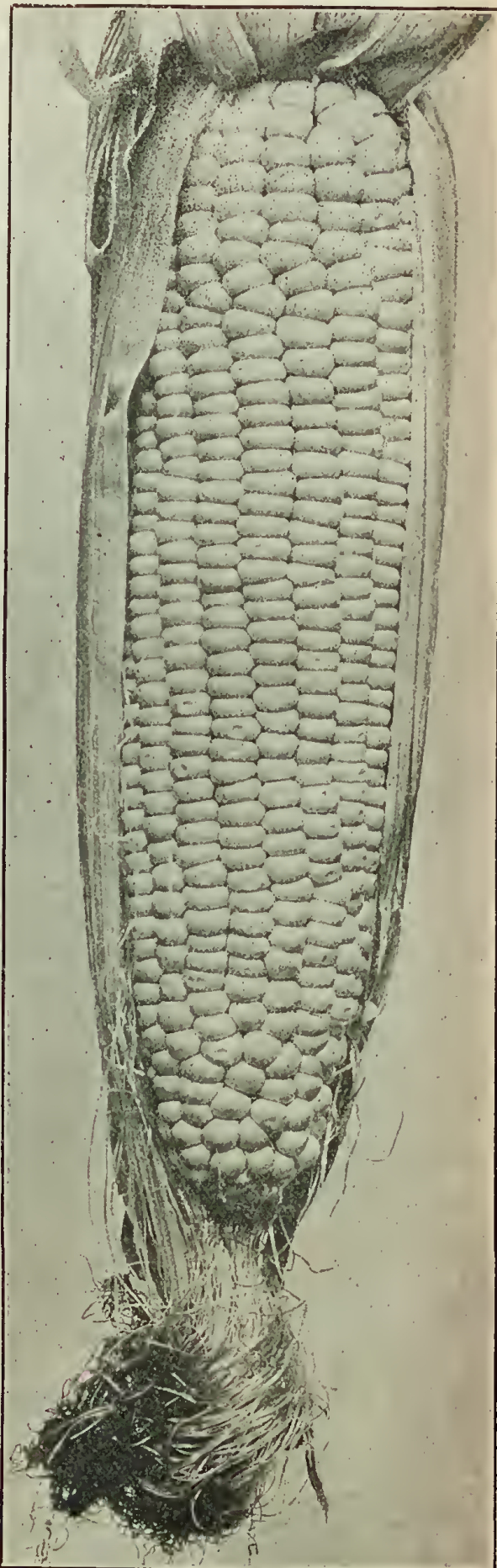
James Vick's Sons, Rochester, N. Y.

Mooretown, Ont, Oct. 5, 1909.

Dear Sirs: In regard to the seeds which I got from you I cannot praise them too highly: the different varieties of Sweet Corn (especially the White Corn) were the finest I have ever seen, and all other kinds which I received from you were in every way satisfactory, while my field of White Plume Celery (raised from your stock of seeds) is the admiration of all who see it; also my Carnations and Nasturtiums are most beautiful. Wishing you success, I am,
Truly yours, MRS. JENNIE L. DYER.



QUALITY CORN COLLECTION. If these are planted on the same day they will ripen in rotation.
 Mammoth White Cory (Early) } One Packet of each variety for 25 cents. Postage paid.
 Perry's Hybrid (2d Early) }
 Stowell's Evergreen (Late)



STOWELL'S EVERGREEN
THE PREMIER OF THE LATE VARIETIES



SWEET CORN, MAMMOTH WHITE CORY

Medium and Second Early Varieties of Sweet Corn

Packet, 10 cents; $\frac{1}{2}$ pint, 15 cents; pint, 25 cents; quart, 40 cents; except as noted.

Crosby's Early. Remarkably early and of best flavor. Ears medium size; twelve-rowed; sweet and thick. Largely grown for canning.

Perry's Hybrid Sugar. A very popular and a remarkably long-eared sort for one so early. Ears ready for use a few days later than Early Cory and Minnesota, but double the size of either. Ears twelve-rowed; kernels large, tender, and deliciously sweet. Stalks of great vigor, about six feet high, with two perfect ears to the stalk.

Early Evergreen. This fine variety is ten to twelve days earlier than Stowell's, and though it is not quite as tall, it yields large, handsome, ten or twelve-rowed ears. An excellent variety to follow Moore's Early Concord.

Early Mammoth. The earliest, sweetest, and largest of the mammoth sweet varieties. Probably no other Sweet Corn will yield as much fodder, and for this reason it is extensively planted, to be fed green or dry.

Potter's Excelsior (Squantum). A well-known sort, extensively grown for market and canning purposes; also used throughout New England in their famous clambakes. It is remarkably sweet, and wonderfully productive.

Stowell's Evergreen. For many years this variety has stood at the head of the list of late Sweet Corn, and it bids fair to hold the position for years to come. For main late crop, for the family garden, for the market grower and canner, it is unexcelled. Stalks strong, bearing two 12-rowed ears with large, sweet kernels. Remains in good condition for some time after gathering, thus continuing the season after frosts.

Black Mexican. The ripe grain of this novel variety is black or bluish black, but when in condition for the table looks remarkably white. This is considered the sweetest and most tender of any variety of Sweet Corn.

Country Gentleman. A delicious Corn for family use. The ears are good-sized and produced in great abundance. Its long, small, milky kernels are full of sweetness; the cob is small, and the corn white and tender; it is sure to please. It is somewhat later than Stowell's Evergreen.

Mammoth Late Sugar. Green ears of this variety have been exhibited weighing from two to three pounds. The sweetest and largest of all the mammoth sweet sorts. Valuable on account of its yield of stalks for fodder.

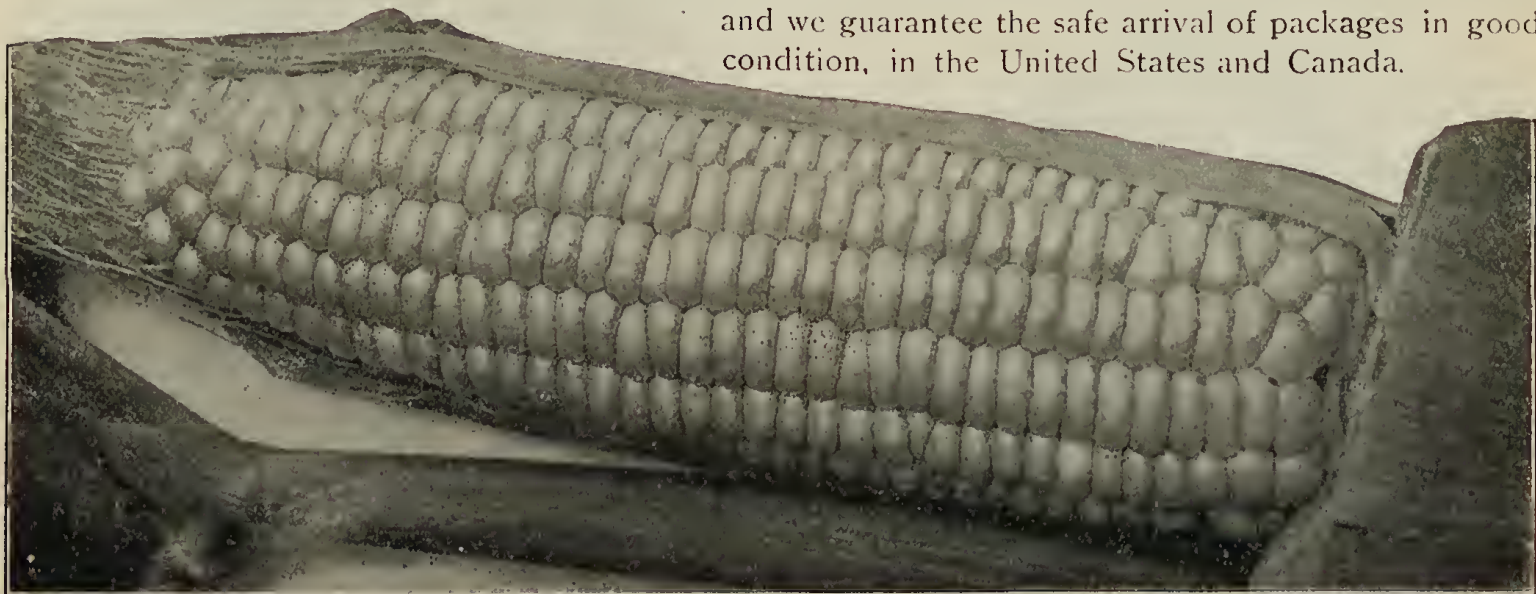
3 Points for Seed Buyers

Quality—You want the best. Vick Quality has been standard for years.

Accuracy—We intend to fill every order correctly, and to make

Prompt Shipment—The same day order is received, if possible;

and we guarantee the safe arrival of packages in good condition, in the United States and Canada.



VICK'S GOLDEN NUGGET SWEET CORN

REMEMBER We pay the Postage or Express Charges, unless otherwise noted. Most seedsmen require you to pay these items.

FIELD CORN

Every farm has its crop of corn, whose golden grain provides nutriment for man and beast. Not only is the grain serviceable, but the whole plant is available for fodder. As a forage plant it stands in the first rank, whether fed in a green state or dry-cured. A ton of well cured corn fodder is worth, if well used, the price of a ton of hay. Eight to ten quarts per acre in hills; one bushel in drills; two bushels if sown broadcast, are required per acre.

Quart, 30 cents, postage paid.

Peck, 55 cents; bushel, \$1.75; bag, two bushels, \$3.25; except as noted.

Peck or bushel by express or freight at expense of purchaser.

Please add cost of bags when ordering. $\frac{1}{4}$ bu., 8 cents; $\frac{1}{2}$ bu., 10 cents; 1 bu., 12 cents; 2 bu., 22 cents.

Genesee Valley. A yellow, eight-rowed Flint variety, originating through the crossing of the popular Longfellow with a choice local stock. The cob is white, twelve to fifteen inches in length, and very slender. The grain is a golden yellow, large, and compactly set, covering both butt and tip. It is an exceedingly early, hardy, and productive variety, yielding on good land from eighty to 100 bushels of shelled corn per acre. It is easy to husk, and the stalks make good fodder. We make a specialty of this variety, growing and selecting it on our farm. Quart, 30 cents; peck, 60 cents; bush., \$2.00.

Early Sanford. An early white flint variety: equally valuable for ensilage or grinding. Quart, 25 cents; peck, 60 cents; bushel, \$2.00.

Pride of the North. A sixteen-rowed Yellow Dent variety. Ears eight to ten inches in length; cob very small and red, with grain above medium size and closely set. It produces an enormous quantity of shelled corn to the amount of cob. Stalks six to eight feet, and frequently bearing two ears. An exceedingly early and prolific variety.

Improved Leaming. Similar to above in every respect, but about two weeks later in maturing. A very desirable variety for fodder.

Champion White Pearl. A new, early, thoroughbred White Dent Corn. Ears average sixteen rows, with very small cob; ripens in 90 to 100 days from time of planting. Very productive, yielding fully as well as the Yellow Dent sorts.

Early Mastodon. An improved Yellow Dent, large yield, large grains, and early ripening. It has the largest number of rows on a cob, and the largest grains of any Corn ever originated; brings a high price in the market, of medium height, grows rapidly, and ripens in 100 days. From 170 to 200 bushels per acre have been produced as far north as latitude $42^{\circ} 30'$.

Golden Beauty. A grand new Dent variety of vigorous growth and immensely productive on rich soil. The ears are of perfect form, remarkable in size, filled to the tip with ten to fourteen rows of remarkably large bright golden grains. Cob very small for so large an ear. Ripens in from 110 to 120 days. Stalks ten to twelve feet in height, with abundant foliage.

Improved Early Sheeptooth. (Fodder Corn). Earlier and better adapted for fodder and ensilage in the Northern States than the ordinary Southern Sheeptooth. The stalks are twelve to fourteen feet in height, and enormously productive. This improved sort is generally superseding all known varieties for ensilage purposes. Peck, 40 cents; bushel, \$1.25; bag of $2\frac{1}{2}$ bushels, \$3.00.

Sweet Fodder. There is nothing better for green feed, or for curing for winter, than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of rich milk. It is also excellent for soiling. Sow in drills, one and one-half bushels per acre; or broadcast double the quantity. Peck, 60 cents; bushel, \$2.00.

POP CORN

Shelled corn, packet, 10 cents; $\frac{1}{2}$ pint, 15 cents; pint, 25 cents; quart, 40 cents.

White Rice. The most popular for general use.

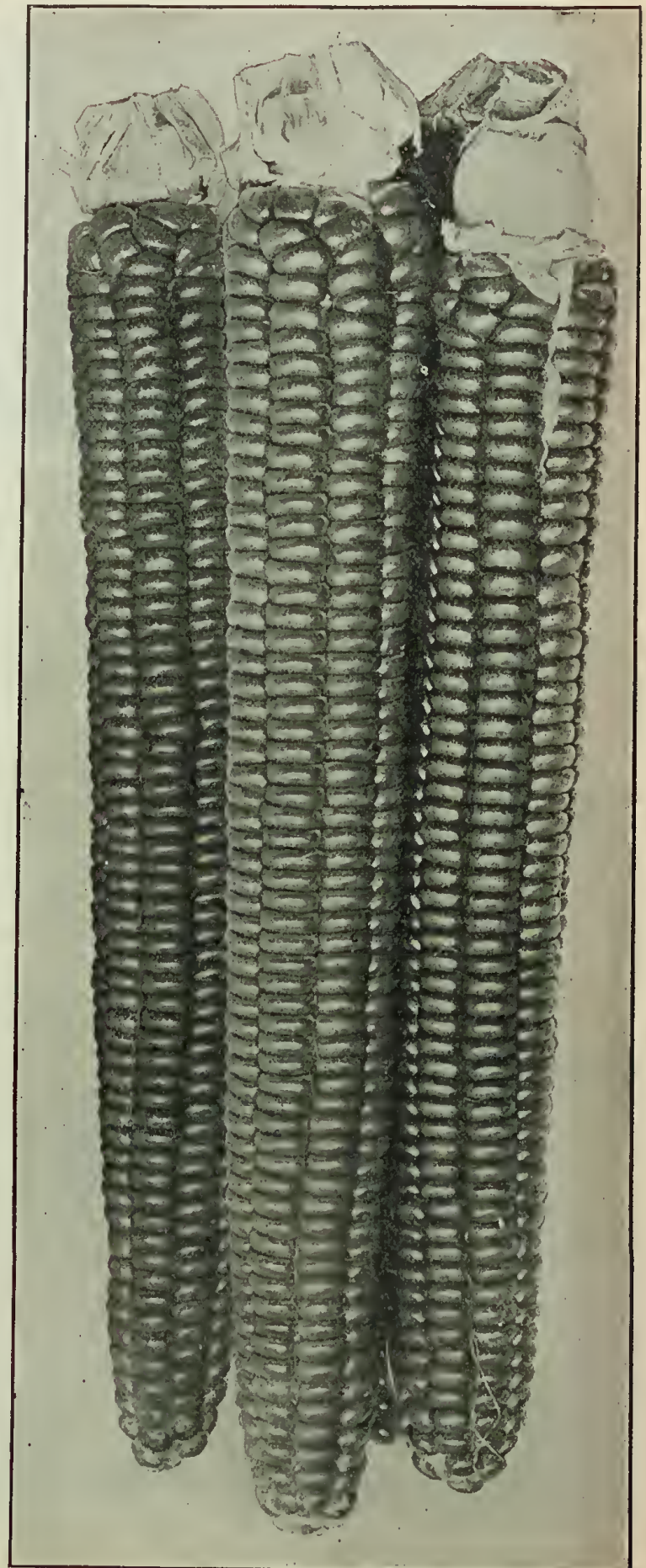
Queen's Golden. Pops creamy white.

Silver Lace. The best, white-grained variety.

CHICORY

Sow Chicory seed as early in the spring as the ground can be worked, in drills half an inch deep and fifteen inches apart, and in good mellow soil. The after-culture is the same as for Carrots. In the autumn the plants will be ready for blanching, when it is used as a salad. The dried roots are also used as a substitute for and an adulterant of coffee. One ounce is sufficient for 100 feet of drill.

Large-Rooted Long Magdeburg. Packet, 5 cents; oz., 10 cents; lb., \$1.00.



GENESEE VALLEY FIELD CORN





EARLY SNOWBALL

CAULIFLOWER

The Cauliflower delights in a rich soil and an abundance of water. Sow seed for an early summer crop in February or March, in a hotbed, and when plants are three or four inches high transplant four inches apart in boxes or frames. In the middle of spring, or as soon as the gardener deems it prudent, the plants can be removed to the open ground. Set plants from two to two and a half feet apart each way. For late Cauliflower sow seed in a cool, moist place, in this latitude about the first of May. One ounce will produce about 3,500 plants.

Vick's Ideal Unquestionably the leading variety for market and private use. For reliability of heading and size and solidity of heads, it is superior to any other variety. It is sure to head, even under unfavorable circumstances, and will attain to enormous size under ordinary cultivation. Packet, 30 cents; $\frac{1}{4}$ oz., \$1.75; oz., \$5.00. These prices are net, from which no discount or on which no premium will be allowed.

Vick's Danish Giant or Dry Weather Cauliflower

Its main feature is the fact that it will stand an unusual amount of dry or warm weather and still produce perfect, large, solid heads. In districts where heretofore it has been impossible to grow Cauliflower, this fine variety has proven a success. It is ready for market or table about a week later than Extra Early Erfurt. Packet, 25 cents; $\frac{1}{4}$ oz., \$1.00; oz., \$3.50.

Early Snowball. Next to our Ideal we can recommend the Snowball as one of the earliest and surest heading varieties. Its dwarf habit and short outer leaves allow it to be planted very close—eighteen to twenty inches apart. It is well adapted for forcing under glass throughout the winter and spring. It gives a pure snow-white, medium-sized head. Packet, 15 cents; $\frac{1}{4}$ ounce, 75 cents; oz., \$2.50.

Erfurt Earliest Dwarf. This variety will stand the test with any extra early sort. It is very dwarf in habit, producing pure white heads of great solidity and finest quality; quite desirable for forcing or for planting in open ground. For a general all-round market garden variety we can highly recommend the Erfurt strain. Packet, 15 cents; $\frac{1}{4}$ oz., 75 cents; oz., \$2.50.

Early Paris, or Nonpareil. This is a well-known standard French variety, producing very early, good-sized, pure white heads, which are tender and delicious. Packet, 10 cts.; $\frac{1}{2}$ oz., 40 cts.; oz., 75 cts.; $\frac{1}{4}$ lb., \$2.50.

Veitch's Autumn Giant. A distinct and valuable late variety, producing large heads, pure white, firm, and compact; and being thoroughly protected by the foliage, remains a long time fit for use. A desirable variety for the South. Packet, 5 cents; oz., 40 cents; $\frac{1}{4}$ lb., \$1.25.

Large Late Algiers. One of the best late sorts, grown largely for fall use. It is a sure header, and endures uninjured a freeze that would materially affect other sorts. Packet, 10 cents; oz., 75 cents; $\frac{1}{4}$ lb., \$2.00.

Absolute Satisfaction from Vick Quality Seeds

Your seeds are giving me absolute satisfaction, and I will be pleased to recommend them to everybody. My neighbors are well satisfied that I selected the right house this season.

Yours truly, RUDOLPH APPEL,

57 Waller Ave., White Plains, N. Y.

CRESS—Peppergrass

Cress should be sown in a hotbed or in a sheltered spot in the garden, quite thick, in shallow drills, and in a short time it will be fit for cutting. It gives a pungent relish to Lettuce, and other salad plants. A fresh lot should be sown every week, as it matures very rapidly and is useful only when young.

Packet, 5 cents; oz., 10 cents; lb., 50 cents; except where noted.

Fine Curled. Superior; will bear cutting several times.

Broad-Leaved Garden. Sometimes used for soups.

Australian. Leaves delicate green; flavor mild and fine.

Water. Does well in mucky situations, but better on the edge of streams, in shallow water. It needs no after-care. Packet, 10 cents; oz., 30 cents; lb., \$3.00.

DANDELION

Sow as early in spring as the weather will permit, in well-enriched soil, in rows eighteen inches apart, covering the seed one-fourth of an inch deep. Thin the plants to twelve inches apart. Keep clear of weeds, and the following spring the leaves will be fit to cut. One ounce is sufficient for 100 feet of drill.

Arlington. A favorite with the Boston marketmen. Leaves very finely cut and curled. Packet, 10 cents; oz., 50 cents.

Improved Thick-Leaved. Leaves thicker than Arlington and not so finely curled. Packet, 10 cents; oz., 50 cents.

Common. Packet, 5 cents; oz., 25 cents.

HORSE RADISH

Horse Radish is grown from pieces of the roots. Mark off rows two and a half feet apart, in rich, moist, well prepared ground; set the pieces of roots eighteen inches apart in the rows, the small end down, and the top one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep the weeds down.

Roots, 3 for 10 cents; per dozen, 25 cents, postpaid.

By freight or express at purchaser's expense, 75 cents per 100.

EGG PLANT

Those who have no hotbeds can sow a few seeds in boxes in the house where a temperature of 75° can be maintained. Plant out early in June two and a half feet apart. One ounce will produce about 1,500 plants.

Black Beauty. A distinct new Egg Plant of most remarkable merit. The fruit is quite as large as Improved N. Y. Purple, and from ten days to two weeks earlier than that variety. It is very attractive in appearance, and of excellent flavor. Packet, 10 cents; $\frac{1}{2}$ oz., 25 cents; oz., 40 cents; $\frac{1}{4}$ lb., \$1.10; lb., \$4.00.

Improved New York Purple, Spineless. The standard for home use and market. Fruit very large, productive, and of the highest quality. Packet, 10 cts.; $\frac{1}{2}$ oz., 25 cents; oz., 40 cents; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Early Long Purple. Eight or nine inches long. One of the earliest and very productive. Packet, 5 cents; oz., 20 cents; lb., \$2.00.



VICK'S IDEAL CAULIFLOWER



CUCUMBERS



IN this latitude it is useless to plant in open ground until nearly the first of June. Make hills two feet in diameter and about six feet apart, and enrich them with well-rotted manure. Plant a dozen or more seeds, covering half an inch deep. When all danger from insects is over, pull all but three or four of the strongest plants. One ounce for fifty hills; two pounds per acre when planted in hills.

Packet, 5 cents; ounce, 10 cents; ¼ pound, 35 cents; pound, \$1.25; except as noted.



Vick's Early Perfection White Spine

Unrivaled in Size, Shape, Color and Productiveness

It excels in earliness, and is one of the best for either the home garden or forcing; also extensively grown for pickles. This most valuable strain is grown from stock seed produced on our own farm, our selections being made from the choicest and most perfect fruits only. Packet 10 cts.; oz. 20 cts.; lb., \$1.50.



VICK'S EARLY PERFECTION WHITE SPINE

Improved Early White Spine

Very popular in all sections of the country. Flesh tender and crisp; uniform in size, straight and dark green with few white spines.

Cool and Crisp. A strain of the White Spine, but longer and more cylindrical. Very early and exceedingly prolific. While it is esteemed most highly as a pickling sort, it is one of the very best for slicing, being tender, crisp, and of fine flavor.

Green Prolific or Boston Pickling. A distinct variety. A favorite with pickle growers and commercial gardeners, and good for table use. Quite productive. Fruit small, uniform in size.

Improved Long Green.

A well-known standard variety about twelve inches in length, of most excellent quality, and when young makes the best of pickles. When ripe it is the best of any for sweet pickles. Vines vigorous and very productive. Our strain of this valuable sort is unsurpassed by any, being carefully selected from the best fruits.

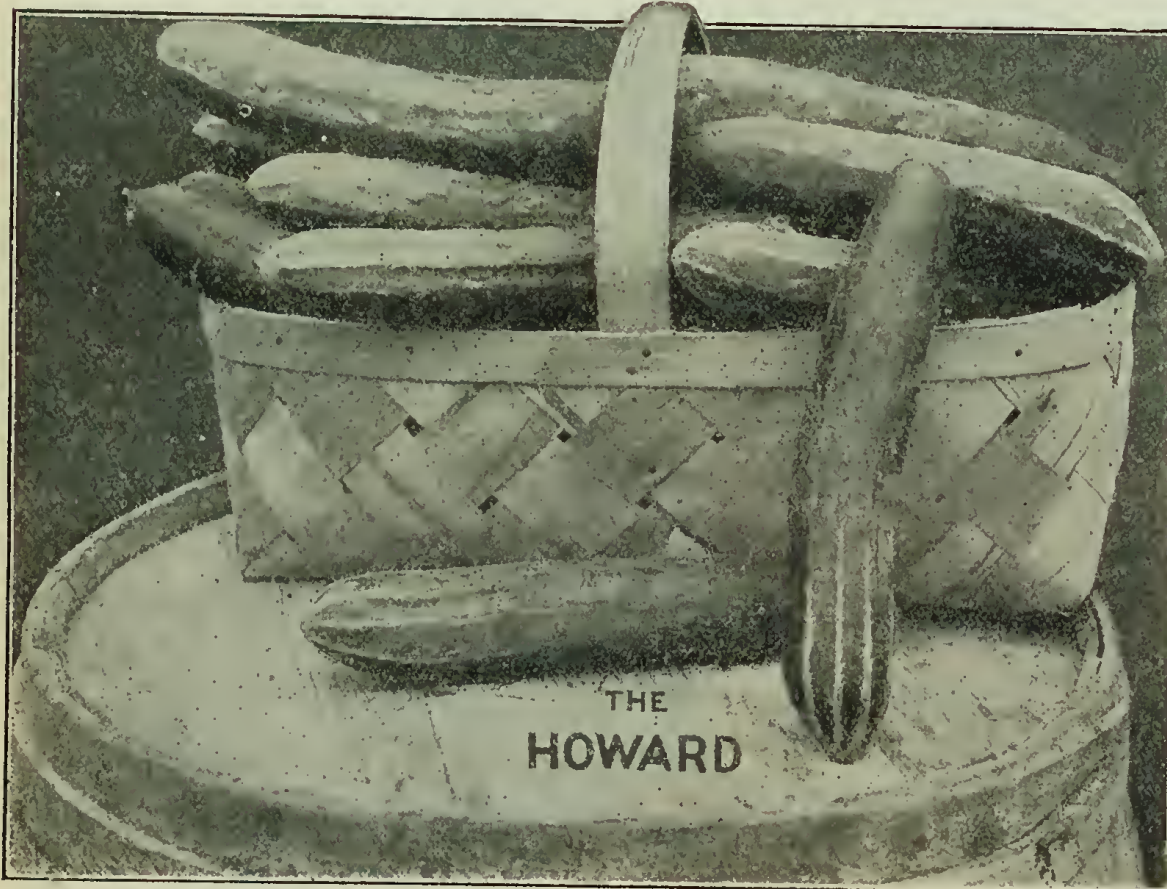
Chicago or Westerfield Pickling. A variety much esteemed above all others by Chicago market gardeners, and grown extensively for the large pickling establishments in that vicinity. Fruit medium length, pointed at each end, with large and prominent spines; color a deep green. It combines all the good qualities of an early cucumber.

The Howard

A handsome and very productive forcing variety, making fruit of the finest quality and shape, with exceedingly small seed cavity. It is also an extra fine open ground variety, combining the good qualities of Improved Long Green with the fine shape and color of the White Spine; in fact it is a cross between these two excellent varieties, and is used for forcing by our Rochester market gardeners, on account of its earliness, size, and rich dark green color. Packet, 10 cents; ½ oz., 20 cents; oz., 35 cents; ¼ lb., \$1.25.

Early Frame or Short Green. An excellent sort both for table use and for pickling. Fruit straight, handsome, smaller at each end, bright green flesh tender and crisp, and makes fine pickles.

Thorburn's Everbearing. Small size, very early, and enormously productive, and valuable as a green pickler. It continues to flower and produce fruit until killed by frost, whether the cucumbers are picked off or not. Remarkably solid, with very few seeds, and of fine quality. Invariably of perfect form, even when small. Packet, 5 cents; oz., 15 cents; lb., \$1.25.



You need our goods.
We want your trade.
Let's get together.



IMPROVED LONG GREEN

CUCUMBERS

Continued

Early Green Cluster. A short pale green variety. Fruit borne in clusters near the root; rather prickly; containing few seeds. A productive sort, and very satisfactory for pickles.

Early Russian. Earliest and hardest small Cucumber in cultivation being only three to four inches long; thick and oval in shape, and produced in pairs. Solid, with few seeds.

FOREIGN CUCUMBERS

Japanese Climbing. A strong and vigorous grower; and while all Cucumbers are running or creeping vines, this variety attains nearly twice the length of ordinary sorts, and can be grown on trellises, fences, or poles. The fruits, from ten to twelve inches in length, are of excellent quality either for slicing or pickling. Packet, 10 cents; oz., 20 cents; lb., \$2.00.

Rollison's Telegraph. The very best of all imported sorts; twenty-six to thirty inches long. Packet, 25 cents.

Noa's Forcing. Most productive sort; thirty to thirty-six inches long. Packet, 25 cents.

EVERY SEED GERMINATED

Greenville, Me., Sept. 17, 1909.

James Vick's Sons,
Rochester, N. Y.

I agree with you that we are more apt to hear of failures than otherwise, so I resolved to write and tell you of our success with your seeds this year. We had a lot of your seed, nearly everything for the garden; they were fine; it seemed that every seed germinated, and the varieties were all good. We found them just as described in the catalogue. The flower seed did equally as well with me.

Yours truly,

MRS. A. D. EDGERLY.

A SATISFIED FRIEND

Burlington, Ill., April 26, 1909

James Vick's Sons,
Rochester, N. Y.

Dear Sirs:

The seeds and plants are received all in good condition and perfectly satisfactory in every way. Thanking you, I am,

Sincerely,

MRS. F. N. BEE MAN.

412 North St.

Vick's Lemon Cucumber

A Novelty of Merit Tried and True

The Lemon Cucumber is nearly round, with yellow and green markings and smooth skin similar to the Lemon. The flesh is tender, crisp, and possesses a sweetness and flavor surpassing all other Cucumbers. The fruit is from two and a half to three inches in diameter, and very attractive in appearance. For pickling, either when green or ripe, they are unexcelled. They should be used for the table just as the fruits are turning yellow.

For lack of space we are unable to say all the good things we should like in lauding our Lemon Cucumber, other than a guarantee to our friends who have not tried it that if they will grow it this season, it will be assigned a prominent place in their list of favorites. Customers who do grow it, say they prefer it for quality and productiveness to any other variety.

Packet, 10 cents; ounce, 25 cents.

ENDIVE

Endive is an excellent autumn and winter salad. Sow seed late in the spring or even as late as July, in shallow drills, fifteen inches apart, and when plants are strong, thin out to about a foot apart. To blanch, gather up the outer leaves over the center of the plant, and tie them together at their tips. Sow one ounce to 100 feet of drill.

Packet, 5 cents; oz., 15 cents; lb., \$1.25.

Moss Curled. Foliage very dense and beautifully fringed.

Green Curled. The hardest variety. Leaves dark green, finely cut; easily blanched to a fine white.

White Curled. Foliage somewhat coarser than the Green Curled, moderately dense, pale green.

Broad-Leaved Batavian. Leaves broad, thick, somewhat wrinkled.



VICK'S LEMON CUCUMBER



LETTUCE



Sow in the open ground as early as possible, barely covering the seed. If the hotbed is used, let it be started quite early. Give but little heat and plenty of water and air on fine days. Let plants in the bed be about four inches apart. As they increase in size thin them out, or they will become weak. One-half ounce will sow 100 feet of drill.

Packet, 5 cents; oz., 15 cents; 1/4 lb., 35 cents; lb., \$1.25, unless otherwise noted.

Cabbage or Heading Varieties

Big Boston *The Best and Hardest Large Heading Sort.*

The outer leaves are a rich green, crisp and tender, and the center of the head a beautiful butter-yellow and white, very fine grained, and packed as close as a cabbage. Big Boston is more extensively used for market than any other variety, many acres being grown in the vicinity of Rochester alone. Plants are sure headers, and stand a long time before seeding. The seed we offer is saved from selected and perfect plants only.

Packet, 10 cents; ounce, 25 cents; 1/4 lb., 40 cents; lb., \$1.50.

Vick's Premium Cabbage. An old favorite, excellent for all uses and seasons. Heads well; remaining in good condition without going to seed for a long time. Heads medium to large. Color bright green.

Vick's Royal. A fine variety, largely used in the Paris markets. The seed we offer comes direct from the originator. It produces a medium-sized head of a beautiful golden color, crisp and tender. Packet, 5 cents; oz., 20 cents; 1/4 lb., 40 cents; lb., \$1.50.

The Keene. Originated near Rochester, and is used extensively by our market gardeners for forcing under glass and for early spring planting out-of-doors. The color is a rich, bright green. It forms good-sized heads very quickly, and for this reason can be marketed weeks before the Boston Forcing and other popular market sorts. It is extremely hardy, and does not burn, nor blight in any way. We are pleased to offer this excellent variety, knowing that it will give perfect satisfaction wherever grown. Packet, 10 cents; oz., 40 cents; 1/4 lb., \$1.10; lb., \$4.00.



LETTUCE, IMPERIAL WHITE CABBAGE

Cooper. Named after one of Rochester's leading market gardeners. It is sown in the fall and the young plants covered with stable litter just before the first hard freeze. In the spring the covering is removed. It soon forms large compact heads, *even better* than the hot-house grown. This variety is equally as good for spring and summer sowing. Packet, 10 cts.; oz., 25 cents; 1/4 lb., 40 cents; lb., \$1.50.

Crisp as Ice. A splendid and distinct Cabbage Lettuce, well adapted for family and home market use. The heads are of large size, handsome shape, and solid. When cut open they have a rich creamy yellow heart, and are so tender and brittle as to warrant the name, "*Crisp as Ice.*" The leaves are thick and glossy, handsomely crimped and curled, the outside variegated with dark bronze and green.

Golden Queen. A fine early head Lettuce, and one of the best sorts for early outdoor planting as well as for growing under glass. The color is a beautiful golden yellow. The heads are so solid that there is no waste whatever, and really contain more substance than many varieties showing double the size. Packet, 5 cts.; oz., 20 cts.; 1/4 lb., 40 cts.; lb., \$1.50.

Imperial White Cabbage. A splendid variety; excellent for family use and market. It is one of the very best for growing out-of-doors, as it withstands summer heat well, and remains a long time in the head. Heads large and extremely solid, of a light green color; very crisp, tender, and of first rate quality. In our estimation it is the best summer Lettuce in cultivation. It is shipped to eastern markets in large quantities.

Tennis Ball, or Boston Market. A well-known forcing variety. One of the earliest and best heading sorts.

Improved Hanson. This is a standard summer Lettuce; none more reliable for outdoor cultivation. The heads grow to a remarkable size, and are very solid. The outer leaves are a bright green, while the inner head presents a white appearance, as though blanched; tender and crisp, and free from any unpleasant bitter taste. It is very slow to seed, and is an ideal Summer Lettuce.

We prepay the Postage or Express charges on all goods, unless otherwise noted.



BIG BOSTON LETTUCE



LETTUCE, GRAND RAPIDS FORCING

W. A. WADSWORTH ESTATE
Geneseo, New York

Replying to your inquiry regarding Big Boston Lettuce, would say it germinated about 95 per cent. and true to type. In fact it is the best strain of Big Boston I have ever had.

Yours truly,
John Livingston.



PARIS WHITE COS LETTUCE

Cabbage or Heading Varieties Continued

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 35 cents; lb., \$1.25; unless otherwise noted.

May King. A new variety highly recommended. Medium-sized round solid heads, light green in color, as plants develop turn to a rich golden yellow; fine buttery flavor. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Salamander or Satisfaction. Forms large, solid, compact heads, resisting summer heat and remaining long in head. Leaves smooth, thick, and very tender; the inner head blanching almost white. An excellent spring, summer, or fall variety. Invaluable in the Southern States.

Curled or Loose-Leaf Varieties

Grand Rapids Forcing. There is no better forcing variety among the curled-leaved sorts than the Grand Rapids, and it is quite as good for outdoor culture as other sorts. Large, beautiful leaves, very crisp and tender. Frequently a house full of this Lettuce will average one-half pound to a plant.

Black-Seeded Simpson. The most popular sort of all the non-heading varieties. One of the best for use under glass as well as for early outdoor planting. The plants form large, loose heads; outer leaves a light, yellowish green, with inner leaves blanching almost white. Resists the heat and remains long in a good edible condition.

Early Curled Simpson (Silesia). Forms a close compact mass of leaves that are large and broad, crimped and blistered, and light green in color. Not desirable for forcing with bottom heat. It is however recommended for planting in cold frames, and extensively grown in the open.

Cos or Romaine

Paris White Cos. The Cos Lettuces are quite distinct, and are popular on account of their tender crisp leaves and delicious flavor. The leaves are long and narrow, and need to be tied up, when they soon form solid heads, and bleach snow white.

OTHER STANDARD VARIETIES OF LETTUCE
Deacon. Denver Market.

KOHL RABI

Kohl Rabi is sown for general crop in the spring, like the Turnip, in drills; or may be transplanted like Cabbage. For winter table use, sow middle of June. Gather when small and tender, as later it becomes tough and stringy. The stem, just above the surface of the ground, swells into a bulb something like a Turnip. One ounce will sow 200 feet of drill.

Early White Vienna. Delicate; much prized for forcing. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Early Purple Vienna. Another forcing variety, similar to above except in color. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Large Early White or Green. Used for feeding stock. Packet, 5 cents; oz., 20 cents; lb., \$1.50.

LEEK

The Leek is a mild onion-like plant. It is prized for soups, and is thought to be superior to the Onion for this purpose. Sow early in April, in drills, covering the seed half an inch deep. When the plants are about the size of goose quills, transplant to a deep rich soil, in rows one foot apart, and five inches apart in the row, setting the roots deep, so that the neck may be covered and blanched.

Broad Flag. An old favorite. Large, hardy, and productive. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

Musselburg. The largest variety. Hardy. Flavor very mild. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

MUSHROOMS

Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at 50° to 60°. From old pastures procure the soil, and store it away. To one bushel of this soil add two bushels of fresh horse manure. Of this well-mixed compound prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed eight inches thick. It will soon become pretty hot, but let the heat recede until it is only 85° or 90°. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover it with two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, covering with hay as before. One pound of spawn is enough for a bed 3x6 feet.

Mushroom Spawn, English. One pound, by mail, 25 cents; eight lbs., by express, not prepaid, \$1.00.



MUSKMELON



THE Muskmelon can be successfully grown in a much larger territory than the Watermelon. It does not require so long a season for maturing its fruit as does the latter, and therefore can be planted in more northern latitudes. Neither does it require the warm sandy soil of the Watermelon. It can be grown in colder and heavier soils with but little manuring, which should be placed in each hill. The hills should be six feet apart. Do not plant until the ground has become warm and dry. One ounce will plant fifty hills. Two pounds are sufficient for an acre, when planted in hills.

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25, except as noted.

Vick's Famous Irondequoit

Attractive Appearance. Delicious Flavor.
Commands Highest Price in the Market.

The Irondequoit Musk Melon holds the Rochester market to the practical exclusion of all other varieties. Growers, dealers and consumers pronounce it the most delicious in flavor,—rich, sweet, and spicy,—far superior to any other musk melon sold in this locality. The flesh is a beautiful dark orange; the skin is finely netted, yellow when ripe, giving it a most attractive appearance when exposed for sale, or cut for the table. The seed we offer is true to type in all respects; grown within 35 miles of Rochester, and under our personal supervision, the fruit cut and the seed cleaned by our own men, and we know it is of the very highest grade. You need have no fear about growing melons from this stock. While the price may seem a little more than other sorts the quality of this melon is so far superior that the increase is really nothing, and it is the melon you need in your garden. Packet, 15 cents; $\frac{1}{2}$ oz., 50 cents; oz., 75 cents; $\frac{1}{4}$ lb., \$2.75; lb., \$10.00.

Notice on page 3 the photograph of the display of Irondequoit Melons at the New York State Fair, Syracuse, Sept. 13 to 18, 1909.



SMALL VARIETIES

Rocky Ford. This is the most popular of the small Melons, being extensively grown and shipped in car-loads for the markets. It is one of the finest early Melons, and one of the best for market gardeners and shippers as well as for the home garden. It is oval in shape, slightly ribbed, and covered with a coarse netting. The flesh is thick, green in color, very sweet and juicy, and solid clear to the rind.

Emerald Gem. The fruit of this really pretty Melon is small to medium, globular in form, flattened at the blossom and stem ends; skin smooth and slightly ribbed. It shows a rich emerald green color with narrow stripes of a light green in the ribs. Flesh very thick, ripening close to the rind, of a deep, rich, salmon color, deliciously flavored and of superior quality. The fruit should be picked as soon as it will separate readily from the vine, and kept in a cool place until needed. If left on the vine the skin becomes yellow, and the flesh soft and tasteless.

Paul Rose or Petosky. This sort has given perfect satisfaction to all growers, both for market and home garden. It is a cross between the Osage and the Netted Gem, combining the sweetness of the former with the fine gray netting of the latter, making it a handsome Melon. The flesh is thick and firm, a deep salmon or orange color; most delicious and appetizing.

Jenny Lind. This is one of the oldest varieties of Muskmelon. The fruit is small and round, flat on both ends, deeply lobed, and finely netted. The flesh is green and luscious. It comes into market first of all.

MEDIUM-SIZED VARIETIES

Vick's Prolific Nutmeg. The vines are hardy and vigorous. Fruit medium size, round, slightly flattened at both ends, ribbed, with distinct netting; flesh green, thick, solid, and of delicious, spicy flavor.

Osage, or Miller's Cream. A remarkably fine variety, and a very profitable sort for market gardeners. It is of medium size, oval in form, dark green in color, handsomely netted, and slightly ribbed. The flesh is extremely and uniformly thick, of firm texture, rich salmon in color, highly flavored and delicious to the rind. Cavity very small. Good keeper and shipper.

LARGE VARIETIES

Extra Early Hackensack. This is a very popular sort, producing large, handsome, and extra early Melons of best quality. Fruit nearly round, deeply ribbed, and very coarsely netted. The flesh is green, of most delicious flavor. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 45 cents; lb., \$1.50.

Montreal Nutmeg. Fruit of the largest size, often attaining a weight of fifteen to twenty pounds. Shape nearly round, flattened at the ends, deeply ribbed; flesh remarkably thick, green, melting, and of the finest flavor. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 45 cents; lb., \$1.50.

OTHER STANDARD VARIETIES OF MUSKMELON

Champion Market

Large Hackensack

Surprise



WATERMELON



Plant in hills eight to ten feet apart. The same culture as recommended for Cucumbers will insure success. One ounce of seed will plant thirty hills, and three pounds an acre.

Packet, 5 cents; oz., 10 cents; ¼ lb., 30 cents; lb., \$1.00; except as noted.



THE AMATEUR GROWER'S FAVORITE—COLE'S EARLY



A HOME-GARDEN MELON—KLECKLEY SWEETS



AN EARLY MELON FOR THE HOME GARDEN, SWEET HEART

Sweet Heart *One of the very best early varieties for the home garden, of the largest size, nearly globular in shape; skin a bright, beautiful, mottled green; rind thin; flesh bright red, firm, and solid to the center, heavy, but crisp, melting, and exceedingly sweet. A good keeper, and improves in quality for a long time after ripening. Vine vigorous and productive, ripening its fruit early.*

Cole's Early *This is one of the earliest and best Watermelons for the amateur and for the home market. It is not only the earliest variety in cultivation, but continues to bear enormously throughout the season. The fruit is nearly round; rind thin and brittle, hence not desirable for shipping; flesh deep red and of extremely delicate texture, sweet, juicy, and delicious.*

Florida Favorite. An excellent variety of large size. Shape oblong; skin mottled with alternate dark and light green stripes; rind thin but firm; flesh bright crimson, very crisp, and deliciously sweet. Ripens ten days earlier than Kolb's Gem or Mammoth Ironclad.

McIvor's Wonderful Sugar. This is of Southern origin, and is one of the very best Melons in cultivation. It excels in both beauty and lusciousness, being exceedingly sweet and juicy. The Melons attain great weight and size; oblong in shape, the rind showing broad stripes of light and dark green. The flesh is a rosy pink, perfectly solid, crisp, and of delicious flavor.

Dixie. A decidedly popular Melon. A cross between the Kolb's Gem and the old reliable Mountain Sweet. It surpasses the Kolb's Gem as a long-distance shipping Melon, while it fully equals the Mountain Sweet in its excellent flavor, and is ten to twelve days earlier than either. In shape about one-third longer than thick; color of skin dark green and beautifully striped; rind thin, but remarkably hard; flesh bright scarlet, sweet and juicy.

Vick's Early. This variety is prized for its earliness. It is oblong in shape, smooth, with a very dark skin, rather small in size; flesh bright pink, solid, and sweet. It makes a good extra early market or home garden Melon.

Kleckley Sweets *This is one of the finest-flavored Melons grown. The fruit is oblong in form, eighteen to twenty inches long, and ten to twelve inches in diameter; skin dark green; flesh bright red, extremely sweet, melting, and luscious. Ripens close to the rind, which is only about one-half inch in thickness. Not a shipper, but highly recommended for the home market and family garden.*

Ice Cream or Peerless. The old but extremely popular home market Melon. Medium in size, almost round; the skin a pale green; flesh bright scarlet, fine-grained, solid to the center, sweet, crisp, and melting. Its delicious flavor entitles it to the name of Peerless.

Prize Jumbo. Immense in size. The common weight of this Melon is sixty to eighty pounds. The rind is hard and firm, which makes it a superior variety for long-distance shipping. In shape it is nearly round; color solid dark green; flesh deep red and of fine quality.

Georgia Rattlesnake. One of the largest varieties, and stands shipment long distances. Fruit of good size, oblong in form, distinctly striped and mottled light and dark green; flesh bright scarlet and of excellent quality. An old and very popular sort.

Citron for Preserves. This variety grows uniformly round and smooth. It has a handsomely striped and marbled skin of light green. Used only for preserves and pickles, and not for eating in the raw state. Very prolific.

OTHER VARIETIES OF WATERMELON
Which we can supply at the uniform price of: Packet, 5 cents; oz., 10 cents; ¼ lb., 25 cents; lb., 75 cents.

Black Diamond, Fordhook Early,
Cuban Queen.



When it comes to persuasive powers, Truths simply told outmatch the wiles of cleverness

We make every effort to have Vick Quality mean the Best Quality in everything we handle. If you have any difficulties with our goods, write us. We can help you.



ONION SEED



ONIONS must have a clean and very rich soil, as it is useless to attempt to grow them on poor ground. A liberal use of manure is more essential to these than any other crop. Sow in drills not less than a foot apart nor more than half an inch deep, keeping the soil mellow and clear of weeds. One ounce will sow 100 feet of drill, or five pounds per acre.

Danvers Yellow Globe Vick's Own Strain, \$1.25 lb.

For many years Vick's Strain of Danvers Yellow Globe Onion Seed has been used by successful onion growers—men who sow a large acreage and who demand a high percentage of germination and first quality product. This seed is strictly fresh 1909 stock, and being northern grown is adapted to any section or climate.

The Product. Danvers Yellow Globe is an extremely hard and solid onion, with a pure white flesh and a light yellow outer covering. It is handsome in appearance, of excellent quality, flavor mild and sweet. Danvers Yellow Globe is a sure cropper which fact combined with its other important characteristics makes it one of the best and most popular sorts for home or market use.

The Price. For the purpose of bringing Vick's Strain of Danvers Yellow Globe to the notice of those who are not familiar with its merits, we are making a special offer which has seldom been equalled in the history of Onion Seed selling. Remember it is not old, cheap seed, but fresh from the fields, and the same grade that in the past has cost from \$2.00 to \$3.00 a pound.

Packet, 5 cents; oz., 20 cents; ¼ lb., 50 cents; lb., \$1.25; 5 lbs., \$6.00.

Now we have offered you a bargain. Take it at once! And with it order all the seed you need for this season's planting, and when spring comes you will be ready to plant on the first favorable days.

Round Yellow Danvers. Shape round, flattened at the ends. Earlier than the Globe sort. Does well on moist ground. Packet, 5 cents; oz., 25 cents; ¼ lb., 60 cents; lb., \$2.00.

Southport Yellow Globe. It is entirely distinct from the Danvers type, being somewhat more pointed at each end. The flesh is white and mild in flavor. It is quite productive and a good keeper. These onions always command a high price in the markets. Packet, 5 cents; oz., 25 cents; ¼ lb., 60 cents; lb., \$2.00.

Mammoth Prize Taker. Genuine seed of this variety produces handsome, large, Yellow Globe Onions. We have the seed specially grown for us. Our *American Grown Seed* produces hulbs enormous in size, and the yield per acre is larger than that of any other variety. While not so good a keeper as our Yellow Danvers, it is a valuable sort for immediate or early fall use. The skin is of a rich yellow straw-color; flesh white, sweet, mild, and tender. Packet, 5 cts.; oz., 25 cts.; ¼ lb., 60 cts.; lb., \$2.00.

Large Yellow Dutch or Strasburg. This variety is one of the old standard sorts. It is flat, white-fleshed, fine grained and mild. It is exceedingly productive and a good keeper. A popular sort for growing sets, the product being a round, bright, smooth set. Packet, 5 cents; oz., 25 cents; ¼ lb., 60 cents; lb., \$2.00.

Ailsa Craig' Flavor Mild. Size Immense. Solid and heavy

For home use as well as exhibition purposes, Ailsa Craig combines all the necessary qualities for the ideal Onion. The skin is pale yellow, flesh snow-white, delicious in flavor, in fact, equal in every respect to the popular Spanish onions. While attaining an immense size, from one and one-half to two and one-half pounds at maturity, it is solid to the core, one of the most desirable points in large varieties. An other year's experience with Ailsa Craig Onion convinces us that its good qualities have not been over-estimated, and that one who enjoys the Spanish onions will be greatly pleased with this variety. Plan to plant at least a packet in your garden this spring; more if you have room. Packet, sufficient to sow 25 feet, 10 cts.; ½ oz., 25 cts.; oz., 35 cts.; ¼ lb., \$1.00; lb., \$3.00.

Australian Brown. Distinct from all other Onions; uniform in size and shape; wonderfully hard and solid; and will keep almost indefinitely. Ripens extremely early. It is of medium size, round, with skin of a deep amber-brown; flesh mild and agreeable. Packet, 5 cents; oz., 25 cents; ¼ lb., 60 cents; lb., \$2.00.

Extra Early Flat Red. The earliest of the red sorts, coming into use from ten days to two weeks earlier than the Red Wethersfield. It is adapted to cold, damp, mucky soils, where other varieties fail to produce large-sized Onions. Packet, 5 cents; oz., 20 cents; ¼ lb., 65 cents; lb., \$2.00.

THE THREE FAMOUS GLOBE ONIONS

SOUTHPORT WHITE GLOBE

DANVERS YELLOW GLOBE

SOUTHPORT RED GLOBE



Large Red Wethersfield

The standard red, and, owing to its productiveness, the most profitable for the market gardener. Form somewhat flattened, skin a deep purplish red, flesh purplish white. The best variety for poor or dry soils. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Southport Large Red Globe. Our strain is unsurpassed; it is used for growing the exceedingly fine large bulbs seen in the New York markets. Its beautiful form makes it extremely desirable. It produces large crops on favorable soils, and is a good keeper. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Southport White Globe

Handsome, large-sized, globular in form. Skin and flesh a pure white. To succeed in producing good pure white Onions, the crop should be pulled just as the stalks begin to fall down, and then allow them to dry off in the open air, keeping them free from rain or dew, which would cause discoloration of the bulbs. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

White Portugal or American Silver Skin. A large flat white Onion of exceedingly mild flavor. It is a popular sort, and when young excellent for bunching or for pickles. It is also especially adapted for growing sets. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50.

EGYPTIAN OR TOP ONION SETS (Perennial)

The young sets of these are produced on top of the stalks. As they cannot be kept out of ground over winter they must be planted in the fall; therefore, orders for them should be given in the spring for delivery next autumn. When once set out, they will come up year after year as soon as frost is over. They need no protection; grow rapidly, and are very productive, sweet and tender. Quart, 30 cents; peck, 75 cents; bushel, \$2.50.

At quart prices we prepay postage. Bushel and peck delivered at freight or express office, Rochester.



ITALIAN ONIONS

The flavor of the Italian sorts is mild and well adapted for all culinary purposes. Seed should be sown thicker than that of the American sorts.

Mammoth White Garganus or Silver King. This is a mammoth in size and the largest in cultivation. The bulbs are very attractive in form, fine-shaped, flattened but thick, with a silvery white skin. The flesh is snow-white, fine-grained, exceedingly mild, and of pleasant flavor. It matures quite early. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Large White Flat Italian Tripoli. A handsome, large, pure snow-white, flat Onion, mild and of excellent flavor. If seed is sown early in hot-bed and transplanted, they grow to a large size. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Large Blood Red Italian Tripoli. Same as preceding, except in color, which is a bright dark red. Used in the South when the Bermuda sorts cannot be had. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

Giant Rocca of Naples. A very large-growing, globe-shaped variety. The skin is reddish brown in color; flesh very mild and sweet-flavored. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

White Queen or Extra Early Barletta. This is an extra early, very small, round, hard, and handsome variety. The color is a beautiful waxy white; flavor mild and delicate. It is the Onion used in all famous pickle factories in our own country. A favorite for the home garden, as bulbs grown from seed will mature as early as those raised from the ordinary Onion sets. The best variety for pickling. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 65 cents; lb., \$2.25.

White Bermuda (Teneriffe grown). The Bermudas are the earliest Onions in the market, and are grown extensively in the South. Outer skin straw color, flesh pure white. Packet, 5 cents; oz., 30 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.25.

Red Bermuda. Similar to the white, but with red skin. Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.25.

ONION SETS

Onion sets should be planted as early as the ground is in condition to work in rows 12 to 15 inches apart, with sets two inches apart in the rows. Green Onions for bunching come in very early, while the crop of large bulbs matures very much earlier than if planted from seed.

True English Multipliers or Potato Onion. Quart, 30 cents; peck, \$1.25; bushel, \$4.00.

Yellow Bottom Sets. Quart, 30 cents; peck, \$1.25; bushel, \$4.00.

White Bottom Sets. Quart, 30 cents; peck, \$1.50; bushel, \$4.50.

At quart prices we prepay postage. Bushel and peck delivered at freight or express office, Rochester.

Cincinnati, March 28, 1909.

Gentlemen:—Seed and Plants I ordered have all arrived in fine shape and am well pleased. Thanks especially for sending them in separate lots; it gave me a good chance to get them all planted in fresh condition.

G. F. LAMBECK.



A COMPARISON OF AILSA CRAIG AND DANVERS YELLOW GLOBE ONIONS. Illustrations one-half natural size



Garden Peas



SOW Peas in drills about four inches deep. The drills must not be nearer than two feet, except for the lowest sorts. Those growing three feet high or more should not be nearer than three or four feet, and should have brush for their support. Avoid fresh manure and very rich soil, as they cause the vines to grow too rank. One pint will sow forty feet of drill; two bushels for an acre, in drills three feet apart. Our customers often write us enquiring the names of the three best Garden Peas, Early, Medium and Late. While all those in our list are good in their class, we name three which in our opinion are equal if not superior to other sorts; First Early, *Thomas Laxton*, plant as early as weather conditions will permit. Medium, *Vick's Daisy*; Late, *Improved Stratagem*; plant the Medium and Late varieties about one week later than the Early.

Packet, 10 cents; 1/2 pint, 20 cents; pint, 30 cents; quart, 50 cents; except as noted.

Swastika Vick's 1909 "Good Luck" Medium Early Garden Pea

SWASTIKA "Good Luck" is certainly a wonder. The plant is branching and covered with pods five inches long, well filled with from seven to ten large Peas almost as sweet as sugar. It is second early, ready for picking a few days later than the extra early sorts. Vines dwarf, twelve to eighteen inches high, strong and branching, of a brilliant deep green color. Of the many promising varieties tested on our farm, this was by far the best, and is certainly a novelty of sterling merit. A trial will convince you of its worth. Packet, 10 cents; 1/2 pt., 20 cents; pt., 35 cents; qt., 60 cents.

The seeds you sent me in the spring were fine, and every kind is doing well—far ahead of my neighbors' gardens. The SWASTIKA PEAS are all you said they would be, and even more. Mrs. White
July 5, 1909. Westboro, Mass.

The Thomas Laxton

The Leader of the Extra Earlys

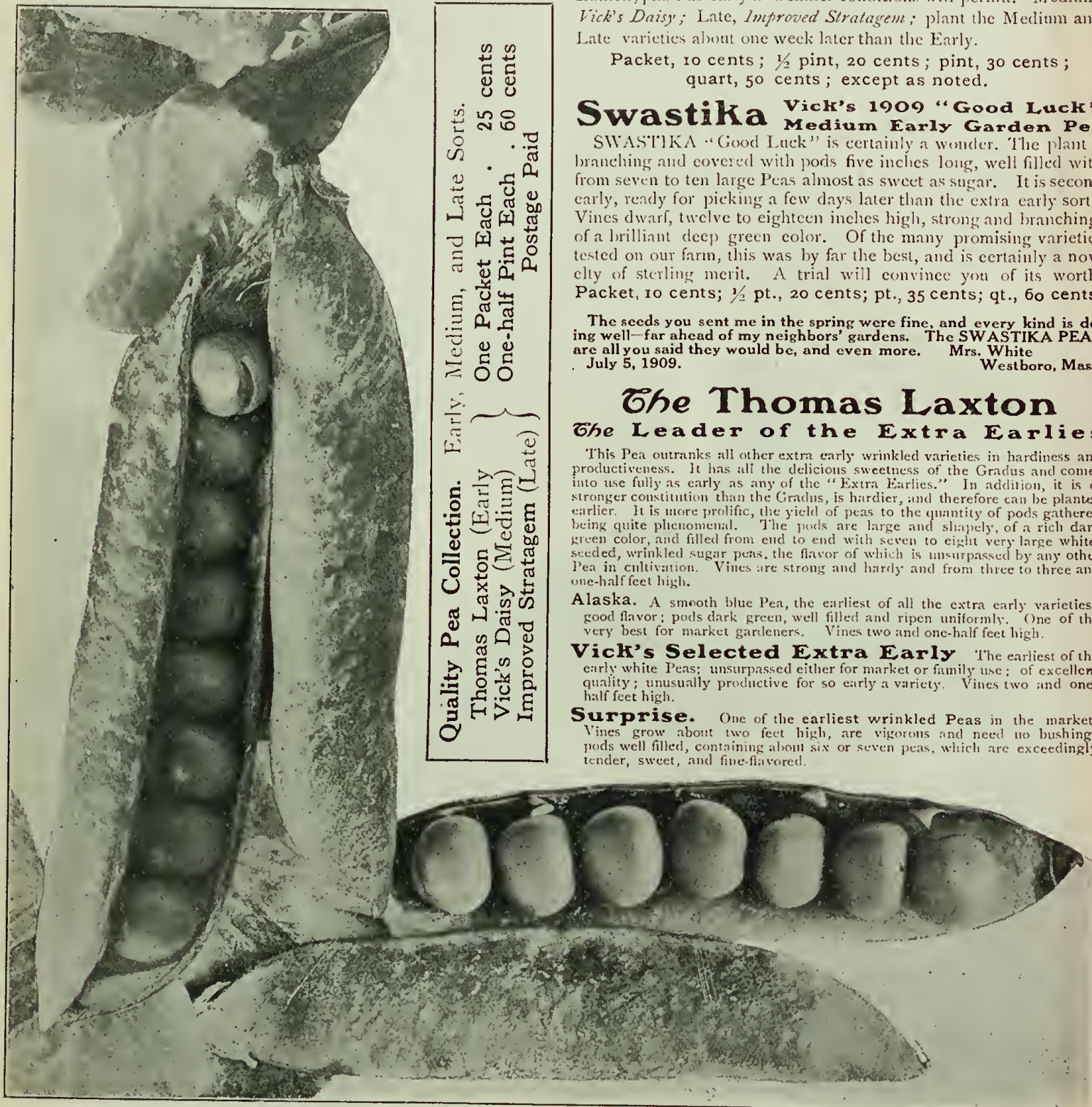
This Pea outranks all other extra early wrinkled varieties in hardiness and productiveness. It has all the delicious sweetness of the *Gradus* and comes into use fully as early as any of the "Extra Earlys." In addition, it is of stronger constitution than the *Gradus*, is hardier, and therefore can be planted earlier. It is more prolific, the yield of peas to the quantity of pods gathered being quite phenomenal. The pods are large and shapely, of a rich dark green color, and filled from end to end with seven to eight very large white-seeded, wrinkled sugar peas, the flavor of which is unsurpassed by any other Pea in cultivation. Vines are strong and hardy and from three to three and one-half feet high.

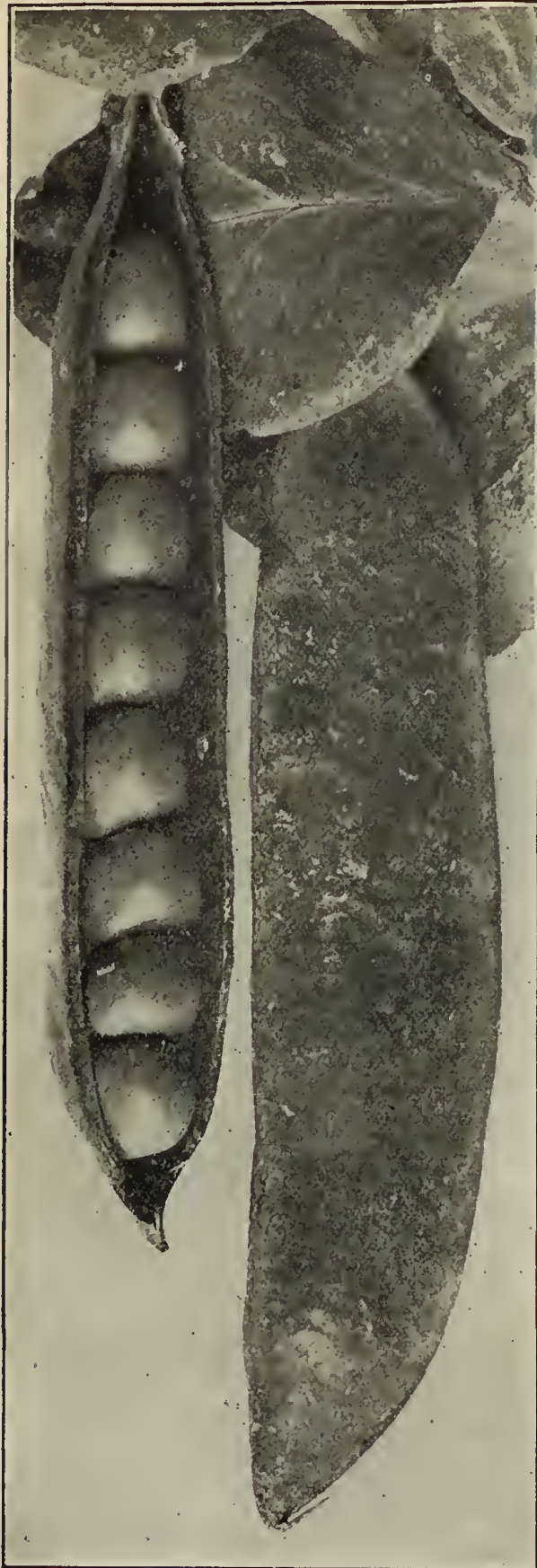
Alaska. A smooth blue Pea, the earliest of all the extra early varieties; good flavor; pods dark green, well filled and ripen uniformly. One of the very best for market gardeners. Vines two and one-half feet high.

Vick's Selected Extra Early The earliest of the early white Peas; unsurpassed either for market or family use; of excellent quality; unusually productive for so early a variety. Vines two and one-half feet high.

Surprise. One of the earliest wrinkled Peas in the market. Vines grow about two feet high, are vigorous and need no bushing; pods well filled, containing about six or seven peas, which are exceedingly tender, sweet, and fine-flavored.

Quality Pea Collection. Early, Medium, and Late Sorts.
 Thomas Laxton (Early) } One Packet Each . 25 cents
 Vick's Daisy (Medium) } One-half Pint Each . 60 cents
 Improved Stratagem (Late) } Postage Paid





LATE PEA IMPROVED STRATAGEM

More than Filled the Bill

We have been customers for your seeds for more than 50 years and more than pleased every year. THE HIAWATHA Corn and Lemon Cucumber more than filled the bill. Mrs. Katie A. Knight, Charlton Depot, Mass.

Vick Quality Collections {
Beans — One Packet of each 75 cents —
 Refugée Wax Stringless Green-pod True Bush Lima
 Mam. White Cory Perry's Hybrid Stowell's Evergreen
Corn — NINE VARIETIES
Peas — Half-pint of each \$1.50
 Thomas Laxton Vick's Daisy Improved Stratagem

Gradus (Prosperity). As an extra early Pea, the Gradus, being a sugar Pea, is far superior to all smooth varieties, not only in its delicious quality, but also in the long pods. While the early smooth varieties contain four or five peas to the pod, the Gradus usually contains from eight to twelve.

Nott's Excelsior. An extra early dwarf, green, wrinkled sort. The peas are superior in sweetness and quality; the vines larger and more vigorous than American Wonder, and yield one quarter more in shelled peas.

Bliss' American Wonder is one of the very best of the earliest wrinkled Peas in cultivation, and a superior cropper, bearing large, well-filled pods, having from six to nine large peas in a pod. The vines are ten to twelve inches high, and of robust habit. A fine variety for the home garden.

Extra Early Premium Gem. Is an improved Little Gem, another extra fine dwarf Pea. Many consider it equal to either Nott's Excelsior or American Wonder. Vines 12 to 15 inches. Very productive, pods large and Peas of excellent quality. An old favorite.

Second Early Sorts

Laxtonian A new dwarf Pea introduced by the English growers of Thomas Laxton and Gradus, resembling the latter in size and shape of pod; in fact, it is a dwarf Gradus. It is a well-known fact that for quality in flavor Thomas Laxton and Gradus were in a class by themselves, until the introduction of Laxtonian. The vines are about twelve inches high, and when in bearing are filled with immense dark green pods containing eight to nine large peas. It is but a few days later than the early sorts, but is classed as a second early. It is so productive, the pods so large and well filled, the quality so good, it is deserving of a place in every home garden. In our trials last summer of over forty new varieties we selected the Laxtonian as the one most worthy of introduction. Packet, 10 cents; ½ pt., 35 cents; pt., 60 cents; qt., \$1.10.

Bliss' Everbearing. A fine wrinkled sort, about thirty inches high; very robust, bearing heavy crops of large, well-filled pods; peas of excellent flavor. Owing to its branching habit, the peas should be planted about six inches apart.

Bliss' Abundance. Remarkably productive. Plant one and a half to two feet in height; pods three inches long; peas large, wrinkled, of superior quality.

Vick's Daisy The Daisy is a second early Pea of robust habit; the vines grow about two feet in height, bearing an abundance of well-filled pods containing seven to nine large and deliciously-flavored peas. It is one of the finest dwarf early green wrinkled Marrow Peas in cultivation, and one that ought to be grown in every garden whose owner appreciates Peas. Sturdy and branching in habit, requiring no stakes, coming early and remaining late in profitable productiveness, giving green peas of considerable size and of best quality, it is one in the very front rank. Packet, 10 cents; ½ pt., 20 cents; pt., 35 cents; qt., 60 cents.

Horsford's Market Garden. A wrinkled variety of superior quality, growing two feet high, very stocky; requires no brushing; extremely prolific, bearing pods in pairs. A very desirable sort for canners' use.

McLean's Advancer. A fine early market variety, exceedingly prolific, with well-filled pods of green wrinkled peas of delicious flavor. It is also known as Dwarf Champion. Vines two to two and a half feet high.

Telephone. A fine, tall, wrinkled variety, and a great cropper, bearing immense pods of large peas of exquisite flavor. It is decidedly a market garden Pea, filling a basket quicker than any other variety. Vines four feet.

Long Island Mammoth. One of the most productive Peas in the list. Pods large and handsome, and well filled with peas of excellent flavor. This is another one of those popular sorts for the market gardener, as the large pods soon fill a basket, requiring but little time for gathering the crop.

Late or Main Crop Sorts

Improved Stratagem This is one of the best of the large-podded sorts; vigorous, productive, and of exceedingly fine quality; a favorite with market gardeners everywhere. Vines two to two and a half feet.

Improved Pride of the Market. A very, robust, strong-growing variety, about two feet high, requiring no brushing or support; wonderfully productive; fine in appearance, and quality most excellent. A fine Pea for the kitchen garden or for market use.

Yorkshire Hero. A very fine, large, dwarf, wrinkled variety, of extra fine quality and very productive. Vines two and one-half feet high, bearing numbers of large well-filled pods.

Champion of England. A handsome variety, popular everywhere, one of the richest and best-flavored green wrinkled Peas. Five feet in height.

Melting Sugar. This variety is used either shelled or cooked in the pod, like string Beans, and when young is very tender and sweet. It is but little known in this country, while abroad it is considered a great relish.

Large Black-Eyed Marrowfat. Well-filled pods. Four feet tall; ½ pint, 10 cents; pint, 25 cents; qt., 40 cents.

Large White Marrowfat. Like the Black-Eyed Marrowfat, extensively grown as a field crop. ½ pt., 10 cents; pt., 25 cents; qt., 40 cents.

Canada Field. For sowing broadcast. Bushel, \$2.50.

SEED POTATOES

Vick's Seed Potatoes are grown for Seed purposes only. While part of the season was favorable to root growth, the long, dry spell interfered with its thorough development; but notwithstanding, our prices are lower than last year.

Vick's Seed Potatoes are in every way as represented; just as they appeared on our trial grounds last summer, and we are sure that under ordinary care and cultivation they will give the best of returns.

Good Stock of anything is always scarce. Buy your Seed Potatoes early.

We always ship Potatoes and other heavy goods by Freight, excepting when ordered sent by Express, or when the quantity is such that to send by Express is cheaper.

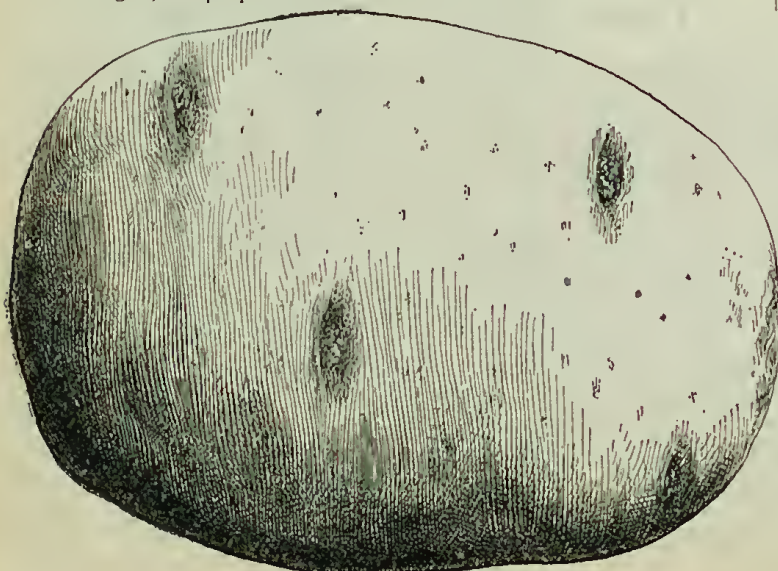
Many people order small quantities, like a peck, to go by freight, thinking the charges will be less. This is seldom the case as the railroad companies make no rate for less than 100 pounds; therefore, the freight on a bushel is just as cheap as on a peck. Packed for shipment, Potatoes weigh about: Peck, 20 pounds; half bushel, 40 pounds; bushel, 70 pounds; barrel, 185 pounds. Please state whether you want the potatoes by freight or express, and do not fail to name the station to which they are to be sent.

VICKTOR *The Leading* Extra Early

This Potato, introduced by us in 1903, has become a permanent favorite with all who have given it a trial. It is the earliest and best white potato grown. The plants are of strong healthy growth, producing tubers compactly. Tubers large, of uniform size, roundish and slightly flattened; skin white somewhat russeted. Either baked or boiled the flesh is dry and mealy. Its extremely early ripening secures it from blight, and assures a large crop of sound tubers, which keep as well as the late varieties. Pound, 25 cents; three pounds, 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel \$5.00; by express or freight, not prepaid.

The White Ohio.

A beautiful, extra early White Potato; introduced by us in 1896 and a few years later lost owing to a poor season and failure of the crop. Three years ago we secured a small quantity from a customer who had grown it continuously from the time of introduction. It is identical in shape and size with its parent (the Ohio) but the color is a beautiful white, while the parent is rose. In many localities the rose color of the Ohio is an objection, many preferring a white potato. White Ohio is a beauty; the tubers are oval, round at seed end, and the eyes almost even with the surface; fine quality and good cropper. It is a favorite wherever grown. Pound, 25 cents; three pounds, 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$5.00; by express or freight, not prepaid.



THE WHITE OHIO



The
Carman
Seedling
An unsurpassed
main crop Potato

Quick Crop As the name implies, is an early variety. It is a rapid, vigorous grower; vines strong and of good soil big returns can be expected, as it is an exceptionally heavy yielder. The tubers are oval to long in shape, and light rose in color. We especially recommend this variety to the market garden trade and to the home garden for first early. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

The Bovee For an extra early this variety is one of the best; almost as early as the Ohio, and an exceedingly heavy yielder for an early Potato. A vigorous grower, good keeper, and fine quality. In color it resembles the Hebron or Rose class. It grows to a good size, oval in shape. We consider it an excellent variety. Our seed stock was procured direct from the originator. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

Early Astonisher. New and early. Skin, light yellow, often netted, flesh white and floury when baked or boiled. It resembles Early Rose in shape and is just the variety for the market gardener. It has proven with us to be a big yielder combined with earliness. Pound, 25 cents; three pounds, 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

Ohio Junior. This variety, while not of recent introduction, is one of the earliest Potatoes cultivated, and on this account is prized by market growers. The tubers are oblong-oval, round at the seed end, with full eyes that are almost even with the surface. An excellent keeper, very productive, of fine quality, and has proved to be a most valuable addition to our list of extra early varieties. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 60 cents; bushel, \$1.80; barrel, \$4.25; by express or freight, not prepaid.

Early Harvest. One of the best early White Potatoes. It is wonderfully early. This feature, coupled with large yield, superb quality, and fine appearance, makes a most valuable sort for early marketing or home use. The tubers average large, are nearly white, with eyes only slightly indented; shape oval, flattened, sometimes long-oval. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.25; by freight or express, not prepaid.

POTATOES—Continued

Carman Seedling. A new, late, round white, main crop variety, introduced four years ago. Very handsome and productive and of excellent cooking quality. It is fresh from the seed ball, and produces unusually well. This variety we consider one of the best main crop potatoes we have ever grown. Pound, 25 cent; three pounds, 60 cents; by mail or express prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

Norcross. A large, flattish-oval, white variety, perfect in shape and quality, large in yield, and a remarkable keeper. This variety originated in Maine, and for a number of years has been carefully bred to increase the percentage of starch. The result of these labors is a potato that cooks dry and mealy, resists disease, and keeps till late spring without rotting. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

Maggie Murphy. The Maggie Murphy is conceded by Potato growers to be one of the best late Rose varieties, and if planted on light soil the quality is unsurpassed, the yield enormous. This Potato in form is oval, the skin a delicate pinkish tint, with russet markings, eyes flush with the surface. Plants very strong and vigorous, remaining green up to maturity. Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid. Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

We can supply seed stock of all the leading varieties including:
Sir Walter Raleigh American Wonder Carman No. 3
Irish Cobbler

Pound, 25 cents; three lbs., 60 cents; by mail or express, prepaid.
Peck, 75 cents; bushel, \$2.00; barrel, \$4.50; by express or freight, not prepaid.

PARSLEY

As Parsley seed germinates very slowly, it should be planted in a bed if possible. For outdoor sowing always prepare the seed by placing it in hot water to soak for twenty-four hours, in a warm place. Sow thickly, in rows one foot apart and half an inch deep, pressing down well after sowing. When well up, thin to six inches apart. Parsley lives through the winter, and seed may be sown in the autumn. One ounce will sow 150 feet of drill.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents;
lb., 75 cents; except as noted.

Beauty of the Parterre, or True Emerald. This variety is very distinct in appearance. It has a shade of green not shown in any other, while its leaves are more finely cut and densely curled. Habit dwarf and spreading. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Champion Moss Curled. A compact growing, very ornamental plant. Leaves a bright green color, finely crimped and beautifully curled.

Vick's Triple Curled, or Myatt's Garnishing. One of the best for market or private garden; a handsome dwarf, compact sort. Leaves bright pale green; extra curled and crimped.

Fern-Leaved. As its name indicates, this variety is most beautiful in form and color; valuable for garnishing, and also as an ornamental foliage plant for borders of beds.

Hamburgh or Turnip-Rooted. The roots resemble a small Parsnip, and are the edible portion of this variety. Used for flavoring soups, etc.

MUSTARD

Ostrich Plume. Exceedingly ornamental as well as useful. The leaves are long, ruffled and frilled, and curved as gracefully as an ostrich plume. For salad it is better than any other variety, and for boiling it is superior to spinach. Packet, 5 cents; oz., 10 cents.

White. Fine for salad or culinary purposes. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 15 cents; $\frac{1}{2}$ lb., 25 cents; lb., 40 cents.

Giant Southern Curled. The favorite in the South. Continues to yield until frosty weather. Packet, 5 cents; oz., 10 cents; lb., 75 cents.

OKRA OR GUMBO

A large, vigorous, tender plant, cultivated in the South for its young seed-pods, which are very nutritious, and are used in soups, stews, etc., and especially for making gumbo soup. Should be more generally grown in the North wherever it is warm enough for Sweet Corn. About the last week in May sow seed thinly, in drills one inch deep and three feet apart. When well up, thin the plants out to one foot apart in the row. Gather the pods when quite young (about an inch and a half long), before woody fibre is formed. One ounce of seed will sow fifty feet of drill.

White Velvet (White Creole). Pods round, smooth, much larger than other sorts; produced in great profusion. Packet, 5 cents; oz., 10 cents; lb., 60 cents.

Perkin's Mammoth Long Pod. A dwarf but enormously productive variety. Pods long, slender, deep green, and remain tender much longer than most sorts. Packet, 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 25 cts.; lb. 80 cts.

**PEPPER**

The culture of Pepper is precisely the same as for Egg Plant. Transplant when three inches high. One ounce of seed will yield about 1,500 plants.

Packet, 5 cents; oz., 25 cents; $\frac{1}{4}$ lb., 75 cents; lb., \$2.50; except where noted.

Chinese Giant. A magnificent new variety, the largest and finest Pepper in cultivation. The plant is about two feet high, of strong, vigorous growth, stocky in habit, very productive, and ripens its fruit earlier than the Ruby King. The fruit averages four inches in diameter, and is of a bright glossy scarlet when ripe. The flesh is unusually thick and very mild, having none of the pungency of most of the older varieties. The immense size of the fruit and its brilliant color render it very attractive. Packet, 10 cents; $\frac{1}{4}$ oz., 20 cents; $\frac{1}{2}$ oz., 30 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Large Bell, or Bull Nose. Very large, nearly four inches long and three inches in diameter; glossy red. Excellent for use in salads and pickles.

Ruby King. A handsome and very productive variety. Fruits from four to six inches long by three and a half to four inches broad; remarkably mild and pleasant. When ripe they are a bright ruby red.

Golden Dawn or Queen. Resembles the Large Bell in shape, but is more delicate in flavor. Color a rich golden yellow, with very thick, mild, sweet-flavored flesh.

Sweet Mountain or Mammoth. Much like the Large Bell, but larger and milder. Fruit thick and sweet. Fine for making stuffed mango pickles.

Coral Gem Bouquet. The finest of the small varieties. Its shining red pods, an inch in length, are so thickly set as to completely cover the plant. They are very hot, and suitable for seasoning. Makes an elegant pot-plant. Packet, 5 cents; oz., 50 cents; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Red Cluster. A distinct and beautiful variety, bearing a profusion of bright scarlet fruit in clusters in an upright position. Hot and pungent. As a decorative plant for the flower garden or for pots, it will be found very useful. Packet, 5 cents; oz., 30 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

Celestial. A Chinese variety, useful as well as ornamental. Sets its fruit early, and continues until frost. When fully grown the fruit is bright scarlet.

Long Red Cayenne. Beautiful and productive. Fruit four inches long, bright red, pointed pod; flesh thick and pungent.

OTHER STANDARD VARIETIES OF PEPPERS

Small Red Chili. Cherry-Formed Red.

The "House of Vick" gives careful attention to ALL orders

My little order of seeds—premium and all—came safely to-day; and beside, a package of Branching Asters, for which I heartily thank you. I have to manage the little garden myself, and in order to get a good start I want seeds of quality from the "House of Vick," and I find my small orders just as carefully and promptly attended to as the large ones used to be.

Respectfully,
Alfred, N. Y., April 24, 1909. MRS. T. M. BEYEN.



RADISH



FOR early use seed should be sown in the hotbed, in drills, three or four inches apart and half an inch deep. For open ground, sow as early as weather conditions permit. As soon as the first leaves appear, sprinkle with soot or ashes to save them from the turnip-fly. The Winter Radish should be sown about the middle of summer, and makes its best growth in autumn. One ounce will sow 100 feet of drill; ten pounds to the acre.

For House or Garden Culture

Vick's Early Scarlet Globe

is Unequaled by any other Sort

Away back in 1884 we introduced this universally popular Radish, and today it is sold by almost every seedsman in the world, and is also used by the leading market gardeners both for forcing and out-of-door planting. Owing largely to our care in selecting and growing the seed, it leads all other varieties. As a forcing Radish, Vick's Early Scarlet Globe is the best in every way, bearing the heat requisite for forcing without becoming pithy or spongy. It is handsome in both form and color, a beautiful oval and a rich scarlet;



the flesh is crisp, tender, juicy and mild. The amount of its foliage is small compared with other varieties and small for the size of the Radish, making it a particularly attractive market sort.

Vick's Early Scarlet Globe Radish is equally as good for open Garden Culture as for forcing and therefore commends itself to the amateur as well as the market gardener. You will find "Vick Quality" in every ounce. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cts.; except as noted; all postpaid.

Vick's All Seasons. The finest of its class. It may be sown from spring until autumn, and the roots obtained from late sowings can be kept in storage for winter consumption. It can be used in all stages, from the size of a marble until full grown. The root is round, of brilliant scarlet color, grows to a very large size, and remains firm and brittle to the end. When sliced and salted it makes a very fine relish. The best Radish for all purposes yet introduced. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

Triumph. A striking variety. Root globe-shaped, showing bright scarlet stripes on a white ground. A good forcer.

French Breakfast, or Scarlet Olive-shaped White Tip. Very tender and beautiful. Fine for open ground or forcing.

Early Round Dark Red (Non plus ultra). Especially adapted for forcing on account of its very small tap-roots and tops. It is also good for summer use in open ground. Skin dark red; flesh white, crisp, and tender.

Extra Early Scarlet Turnip-Rooted. (Forcing.) Medium in size, the root being clear and smooth, with a small top, remaining fit for use a long time. Next to Scarlet Globe we would recommend this variety for forcing.

Scarlet Turnip White Tip (Rosy Gem). (Forcing.) Very desirable for forcing and outdoor planting. Tops and roots both small; skin bright scarlet; flesh very mild and crisp.

Scarlet Olive-Shaped. Oval; very tender and excellent; an inch and a half long; fine for forcing or open ground.

White Olive-Shaped. Like all olive-shaped varieties, except in color.

Philadelphia White "Box." Is superior and entirely distinct from any early White Turnip Radish. Remarkably short top, rapid growth, perfect turnip shape, extra fine quality, showing no disposition to become pithy with age. Its short top and rapid growth especially fit it for growing under glass.

Scarlet Turnip. Round, diameter about an inch; skin scarlet; flesh white.

White Turnip. Similar to preceding, except in color; less pungent.

Yellow Turnip. Similar to above, except in color.

Wood's Early Frame. Similar to Long Scarlet, but shorter, earlier, and adapted for forcing.

Long Brightest Scarlet or Cincinnati Market. The brightest and handsomest scarlet Radish grown. Fit for use in twenty-five days from time of sowing, and remains in good condition until fully grown, when it is as large and crisp as Wood's Early Frame. Tops small.

Vick's Improved Long Scarlet Short-Top. The favorite long market Radish everywhere; six or seven inches long. Our strain of this popular sort has been grown from a selection year after year until it is perfection itself.

Beckert's Chartier, (Shepherd). A distinct variety. Color red at the top, shading to pink in the middle, and passing into pure white. It attains a large size before becoming unfit for use.

Long White Vienna or Lady Finger. Beautiful in shape; skin and flesh snow white; crisp and tender in summer.

Icicle. A beautiful transparent white variety, about three inches long and half an inch in diameter, with small tops; very crisp and brittle, and remains in good condition a long time; does not get pithy. Suitable for forcing. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 75 cents.

White Delicious. An improvement on the White Strasburg, being earlier, more evenly shaped, and having a smaller top. For outdoor early fall sowing it is sure to make a crop of uniform white Radishes. Quality first class. Packet, 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 30 cts.; lb., \$1.00.

White Strasburg Summer or White Hospital. A large, white, showy, half-long variety. Matures early. A leading market variety.

Giant White Stuttgart. A popular variety, early, of quick growth and large size; in shape like a large top. Flesh and skin pure snowy white.



Some of Vick's Introductions

- Vick's Golden Nugget Sweet Corn
- Vick's Improved Golden Heart Celery
- Vick's Lemon Cucumber
- Vick's Early White Spine Cucumber

Cooper's Sparkler A new variety of an entirely distinct type. In shape it is globular; the top is very short, thus making it adaptable for forcing, although it is equally good for outside. The color is a rosy carmine, with a long white tip. Cooper's Sparkler will keep longer in good condition than any other we have tried, and can be grown the year round. Successive sowings should be made during the summer. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 60 cents.



COOPER'S SPARKLER RADISH

WINTER RADISHES

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 60 cts., except as noted; all postpaid.

Chinese Rose Winter (Scarlet Chinese). One of the very best for fall and winter use, and popular with market gardeners. Bright rose color; flesh white and firm, of superior quality.

Large White Spanish Winter. A popular sort. Flesh solid and milder in flavor than the black sorts.

Round Black Spanish Winter This is a large black-skinned Radish, much relished by the Germans. Flesh white and firm.

Long Black Spanish Winter. Like the above, but the roots are longer and perhaps slightly milder in flavor.

California Mammoth White Winter is really a Chinese Radish, grown by the Chinese in California; eight to twelve inches long and from two to three inches in diameter; white, solid, and of good flavor.

RHUBARB

Sow in drills eighteen inches apart and one inch deep. Thin out the plants to six inches apart. In the fall prepare the permanent bed by trenching two feet deep, mixing a liberal quantity of manure with the soil. Into this set the plants about five feet apart each way. The stalks should not be cut until the second year. One ounce should give about 500 plants.

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25.

St. Martin's. One of the earliest as well as most prolific.

Linnæus. Early and tender.

Victoria. Very large, but later than Linnæus.

Roots of above, each, 15 cents; dozen, \$1.50.

SPINACH

For a succession, the seed may be sown early in April and again in May, in drills one foot apart and one inch deep, properly thinning out when plants are an inch in the leaf. For the principal crop, sow from first to middle of September, protecting the crop with a light covering of straw or leaves. One ounce for 100 feet of drill; 10 pounds, in drills, for an acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 15 cents; lb., 40 cents; except as noted.

All Seasons It is a well-known fact that Spinach will not stand the hot days of summer without quickly running to seed. All Seasons will stand and remain in an edible condition longer than any variety we have ever grown. The foliage is dark green, crinkled, sweet and luscious. The seed may be sown at intervals during the Summer. An exceptionally fine variety. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 50 cents.

Improved Thick-Leaved, or Long-Standing. Leaves large and thick, somewhat crumpled. Does not run to seed as early as other varieties.

Victoria. A valuable sort. Its attractive dark green color, long-standing, and hardy character, make it desirable for both spring and late sowing.

Round or Summer. Adapted for early spring sowing, and quite popular with market gardeners. Leaves thick and large. It stands the winter well.

Large Round-Leaved Viroflay. Large, round, thick and fleshy leaves. Good for early sowing. Quite hardy. One of the best for fall sowing.

Bloomsdale or Savoy-Leaved (Norfolk.) The earliest of all the varieties, and one of the best for autumn planting for early spring use. The leaf of this sort is wrinkled in the same manner as the Savoy Cabbage.

Prickly or Fall. A hardy variety, used for fall sowing. With very slight protection it will withstand the severest weather.

Some of the Popular Vick Introductions

Vick's Big Boston Lettuce

Vick's Cooper Lettuce

Vick's Irondequoit Muskmelon

The Vicktor Potato

Vick's Earliana Tomato



ALL SEASONS SPINACH

PUMPKIN

Plant in hills eight feet apart each way, any time after the middle of May. Avoid planting near other vine crops, as they will hybridize and damage the crop. One ounce will plant about twenty-five hills; four pounds to the acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 85 cents; except as noted.



PUMPKIN, SUGAR OR PIE

Winter Luxury. This is the finest pie Pumpkin yet introduced; we cannot recommend it too highly for this purpose. It is also a good keeper, wonderfully productive, while its finely netted and golden-russet color make it desirable for market use.

Large Sweet Cheese (Kentucky Field). One of the best for table use, and very productive. Shape flat; skin mottled light green and yellow, changing to a rich crimson color; flesh yellow, thick, and tender.

Sugar, or Pie. A rather small, but handsome variety. Shape round; skin deep orange-colored; flesh fine-grained, sweet-flavored; superior for pies.

Golden Oblong. A productive variety, oblong in shape, growing 16 to 18 inches long. Skin golden orange, thin and tough; almost as good a keeper as the hard-shell winter Squash. Flesh yellow, dry, and sweet; excellent.

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 lbs.

Mammoth Red Etampes. Skin brilliant, glossy red; flesh deep orange, very thick. Matures early. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 60 cents; lb., \$2.00.

King of the Mammoths, or Jumbo. The largest of all Pumpkins. Round in shape, flattened at both ends. It is a splendid keeper, and valuable for stock feeding; also desirable for exhibition purposes.

Connecticut Field. The hardest of all Pumpkins; cultivated mainly for stock-feeding, producing enormous crops. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 15 cents; lb., 40 cents.

Cushaw, or Crookneck. A favorite sort of excellent quality. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.



PARSNIP

Parsnip seed germinates very slowly, and does best in a cool, moist soil, therefore it should be sown as early as possible, in drills from fifteen to eighteen inches apart, and about half an inch deep. One ounce will sow 200 feet of drill; five pounds for an acre.

Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 65 cents.

Long Hollow Crown (White Dutch or Sugar). The old standard, and one of the best for general farm use and for home or market purposes. Long, smooth, tender, and sugary; very hardy; will keep throughout the winter with very little protection.

Improved Guernsey. Half-long. The roots are not so long as those of the Long Hollow Crown; are larger in diameter and more easily gathered; smooth, fine-grained, and of excellent quality.

Early Short Round. A variety well adapted for hard or shallow soils, and comes into use much earlier than other sorts. Flavor mild and pleasant.

SALSIFY

Sow early in the spring, in drills a foot or more apart, covering the seed not more than two inches in depth. Thin out to six inches apart. A portion of the crop may remain in the ground all winter, like the Parsnip. One ounce will sow 75 feet of drill.

White French. The old favorite variety. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.50.

Mammoth Sandwich Island. This is the largest and most profitable Salsify now in cultivation. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.50.

Black, or Scorzonera. A black variety, with a somewhat bitter root. Packet, 5 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.75.

SCOLYMUS — Spanish Salsify

More productive than Salsify. The roots resemble a small Parsnip, and will keep through the winter like a Turnip. Cultivate like Parsnips. It is eaten boiled, like Salsify. Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 85 cents; lb., \$3.00.

WHY WE BELIEVE VICK QUALITY SEEDS ARE BEST:

They are strictly fresh; we sell no old seed.
They are grown by experts, under the best conditions.
They are carefully cleaned; many kinds hand-sorted.
For over 60 years Vick Quality Seeds have given satisfaction.



MAMMOTH SANDWICH ISLAND SALSIFY

THE THOMAS LAXTON PEA is the very best of the extra early sorts. Hardy, abundant bearer, pods large and filled from end to end with sugar-sweet peas. Vines from three to three and a half feet high. See page 26.

*VICK'S
IRONDEQUOIT
MUSKMELON*



*VICK'S SHORT-STEMMED EARLY
DANISH BALLHEAD*



SQUASH

Squash likes a rich soil, and it is best to manure in the hill. Plant a dozen seeds in each hill, and when danger from "bugs" is over pull up all but three or four. For bush sorts, make hills four or five feet apart each way, and for the running kinds twice that distance. Winter Squash should be ripened thoroughly, or they will not keep through the winter. One ounce of early varieties for fifty hills and two ounces of late will plant fifty hills; three to four pounds per acre.

Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 40 cents; lb., \$1.25; except as noted; all postpaid.

Summer Squash

Mammoth Bush Summer Crook-neck. The richest and best of the Summer Squashes. Early and productive. Color golden yellow; flavor sweet and rich. It is almost twice as large as the ordinary Summer Crookneck.

Mammoth White Bush Scallop (Silver Custard). The best of the scalloped Squashes. Handsome and of fine quality.

Fall and Winter Squash

Delicious. In size it resembles the Hubbard. In thickness of flesh it surpasses nearly every variety. The color is a dark orange. For table use no other variety compares with it in its remarkable combination of fineness and compactness of grain, dryness, sweetness, and exceeding richness of flavor. It is a fall and winter squash. Though at any time excellent, it does not acquire its best quality until winter. Specially reselected strain.

Packet, 10 cents; oz., 20 cents; $\frac{1}{4}$ lb., 50 cents; lb., \$1.75.

Early Prolific Orange Marrow.

An improvement by selection from Boston Marrow; not so large but much earlier. Skin orange-colored; flesh deep, fine-grained, and of delicious flavor.

The Golden

Bronze. Weight from eight to ten pounds; color, a dark grayish green with bronze on the upper surface when ripe; flesh golden yellow, very thick, fine-grained, dry, sweet, and of delicious flavor. Matures early, and is a good yielder and splendid keeper. As a Squash for the table and pies it has no superior.



MAMMOTH SUMMER CROOKNECK



HUBBARD SQUASH



DELICIOUS SQUASH

Hubbard. The standard Winter Squash; no better variety grown; more generally cultivated as a late sort than any other. Flesh fine-grained, dry, and of excellent flavor.

Chicago Warty Hubbard. This has some points not seen in the old standard, the shell having a dark green, almost a black color; and also distinguished by a dense covering of knots (warts). It is of first-class quality.

New Golden Hubbard. This is a true Hubbard Squash except in color, which is a bright orange-red. The flesh is deep golden yellow.

Fordhook. A very fine winter variety. Shell a bright yellow; flesh straw-yellow, dry and sweet, and of good flavor. Matures early, a sure cropper, and very productive. May be used at any stage of growth.

Essex Hybrid or Hard Shell Turban (Warren). A cross between the Hubbard and American Turban, having the color, shape, and fine quality of the Turban, with the dryness and hard shell of the Hubbard. Flesh thick, fine grained, and solid. A good keeper. Very productive, early and of rapid growth.

Sibley, or Pike's Peak. A very distinct and valuable variety. Shell pale green, very hard; flesh solid and thick, orange color; flavor rich and delicate.

Boston Marrow. Very popular in the Boston market. Oval shape; skin yellow; flesh orange-colored and fine-grained.

Mammoth Chili. The largest of all Squash; grows to an enormous size. One of the most profitable sorts for stock-feeding. Keeps well throughout the winter. This variety is also extensively grown for fair exhibits.

Vegetable Marrow. Flesh rich, salmon yellow, dry and fine-grained. Excellent as a pie-squash.

Quality *An important reason why you should use Vick's Quality Seeds is that they are of the highest grade in every respect. Economy in seed buying is advisable (as in many things), but don't buy seeds because they are advertised on the bargain counter. Buy of a reliable house, and get good seed; this is*

Economy



GOLDEN BRONZE SQUASH



TOMATOES



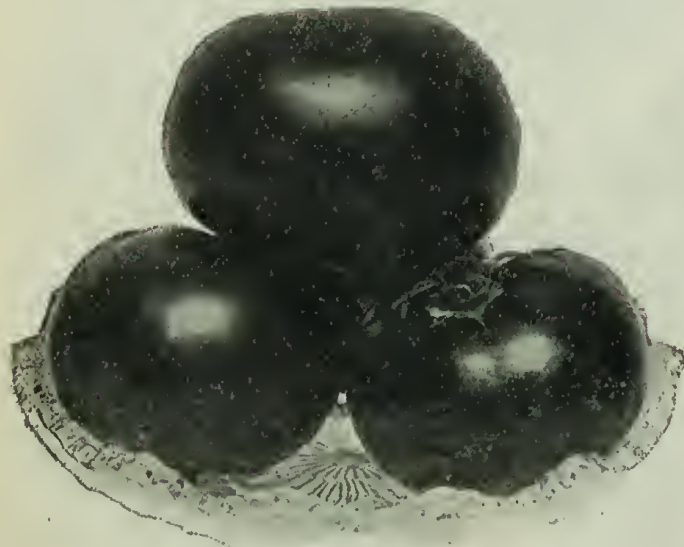
TO obtain fruit very early, sow in the hotbed in March. In about five weeks plants should be transplanted to another hotbed, setting them about four or five inches apart. Here they should remain, having all the air possible, until after the middle of May, when they may be put out in the ground, four feet apart each way. If not too early or too cold, a coldframe will answer for the first transplanting. Very good plants can be grown in boxes in the house. The soil for early Tomatoes should not be too rich, and a warm, sheltered location selected, if possible. Pinching off the ends of the branches when the first fruit is set, will hasten the ripening very much. One ounce will produce 2000 plants; one-quarter pound (to transplant) for an acre.

Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., \$2.50; except as noted.

Chalk's Early Jewel. A fine second early Tomato about ten days later than Earliana. Fruit large size and fine flavor. The plants are compact and strong, and when bearing fairly loaded with fruit. One of the best for shipping and the home garden. Continues bearing throughout the Summer. Packet, 10 cents; ½ oz., 20 cents; oz., 35 cents; ¼ lb., 85 cents; lb., \$3.00.

Bright and Early. A very desirable variety for the home garden. Color a fine, deep red, and very uniform; skin firm and free from cracks; flesh solid, and of the finest flavor. While some large specimens are produced, the average size is slightly below medium; but whatever is lacking in the size of the individual fruit is more than made up in the immense clusters.

Crine's June Pink. An extra early selection from Earliana. The color is of a purple pink; the fruit is smooth and the plant a good yielder. Packet, 10 cents; ½ oz., 20 cents; oz., 35 cents; ¼ lb., 85 cents; lb., \$3.00.



STONE TOMATO

Stone. Ripens for main crop; very large; color bright scarlet; very smooth; ripening even to the stem without a crack; exceedingly solid and firm fleshed; an excellent shipper; quality the very best; not subject to rot; its appearance on market remarkably attractive; a heavy variety. It is the standard Tomato for market gardeners and truckers, and superior for canning.

New Dwarf Stone. The strong, upright growth allows very close planting. The plants may be set 18 by 24 inches apart and yet produce an abundant crop. The shape of the fruit is perfect, with a good skin, which is free from cracks about the stem end. It is very solid, ripens evenly, and is of most excellent quality. Packet, 10 cents; ½ oz., 20 cents; oz., 35 cents; ¼ lb., \$1.00; lb., \$3.50.

Beauty. A decided favorite for either home market or shipping purposes. Hardy, productive, large size, always smooth, glossy crimson with a slight tinge of purple. A great favorite with Florida and long distance shippers.

Royal Red. Bright scarlet and the reddest throughout of any Tomato grown. Large, smooth, solid, and productive.

Livingston's Coreless The shape of this Tomato is almost round. Immensely productive; clusters of from four to seven fruits are produced at six to eight inches apart along the stem; ripens all over and through and right up under the stem, all at once. The strong outside and inner wall of flesh of the Livingston's Coreless render it a very firm fruit and one of the best for long distance hauling or shipping. Color bright red. Packet, 10 cents; oz., 50 cents; ½ oz., 35 cents; ¼ lb., \$1.50.

Dwarf Champion. Dwarf and compact in habit, the plant growing stiff and upright, with very thick and short-jointed stems, require no stakes. Often sold as Free Tomato. Can be planted as close as three feet. Unsurpassed as a cropper. Color deep red, with a purplish tinge. Round and smooth.

Golden Queen (Queen of the Yellows). Solid, smooth, large in size, and ripens early. Makes a handsome, rich preserve. This Tomato should be grown in every home garden; its flavor is better and more delicate than that of the red varieties, the flesh finer-grained and very tender. Try it. Packet, 5 cents; oz., 30 cents; ¼ lb., 85 cents; lb., \$3.00.

Plum-Shaped Yellow. Handsome in appearance and valuable for preserving. Excellent served raw with pepper and vinegar.

Pear-Shaped Red. True pear-shaped, small, bright red. Used for preserves and for making "Tomato figs."

Pear-Shaped Yellow. Same as the above, except that color is yellow.

Red Cherry. Small, perfectly round and smooth, bright red, borne in large clusters. Fine for preserves and pickles.

Yellow Cherry. Differs from Red Cherry only in color.

Husk or Strawberry (Winter Cherry, etc). Fruit golden yellow, size of a cherry. Fine for pies, preserves, or eating from the hand. Packet, 10 cents; oz., 35 cents; ¼ lb., \$1.00; lb., \$3.50.

OTHER STANDARD VARIETIES

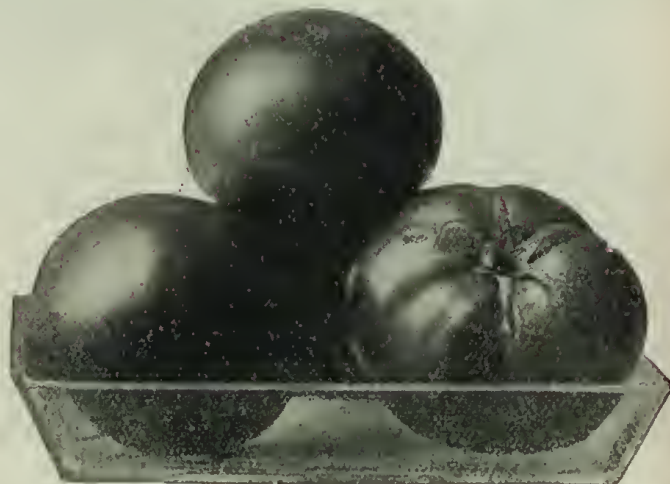
Packet, 5 cents; oz., 25 cents; ¼ lb., 75 cents; lb., \$2.50.

Honor Bright, Improved Trophy, Ponderosa, Livingston's Favorite, Perfection, Peach.

Forcing Varieties

Stirling Castle. A fine variety, especially for forcing purposes, and outdoor planting when grown on a single stem. The fruit is round and deep, of medium size, smooth, free from cracks or watery cavities, and almost seedless; color bright scarlet. Very early. Packet, 20 cents.

Lorillard. A good sort for forcing under glass as well as for outdoor culture; bright red, smooth, early. Packet, 10 cents; oz., 35 cents; ¼ lb., \$1.00.



DWARF CHAMPION

I will repeat again that your Earliana Tomatoes cannot be excelled. I now have some very large. C. L. Lambrecht
July 13, 1909 Monroe, Mich.



THIS most valuable early variety confirms, by repeated tests, all the praise that has been lavished upon it. Gardeners near Rochester, who supply the large wholesale markets, are enthusiastic admirers, and grow it in preference to any other early tomato. The letters published herewith are from local gardeners, from Michigan, and the far west. Hundreds of others could be shown, and the universal verdict would be "the best I ever raised." Don't fail to include this variety when making up your seed order, and remember Vick's Strain of the Earliana comes from James Vick's Sons only.



As a crop, Vick's Strain of Earliana Tomato ripens a week ahead of any other variety coming into market when other sorts are ripening a few scattered fruits. This fact makes the Earliana the most profitable variety ever introduced. The fruit is remarkable for its large size, perfect form, bright red color, and its delicious flavor which is "just right" for the palate of an epicure.

The Fruit does not crack; is solid and meaty, with few seeds, and is unequalled in quality by any other variety.

The Plant is of medium size, strong and vigorous, setting the fruits freely close to the center stems. The plants should be set about three by four feet.

Dell Titus Garden Co.
Irondequoit, N. Y.

James Vick's Sons,
The "Earliana" Tomato seed I
bought of you produced the finest
and truest Earliana tomato I have
seen.
Yours, Dell Titus

*I have this to say for the Earliana
Tomato seed I received from James
Vick's Sons last spring: That I
raised the largest, smoothest, most
uniform tomatoes I ever raised from
that BEST early tomato, and I
have bought seed of the Earliana and
raised this kind for four or five
years. Sincerely yours,*

M. E. HIGGINS.

Boise, Idaho, Sept. 21, 1909.

The demand for Vick's Improved Strain of the Earliana is increasing annually. The seed is grown on our own farm, saved from selected fruits, and by our methods of skillful selection the present strain is a vast improvement over the original—which at one time seemed beyond criticism. The illustration shows fruits of this perfect strain as they were taken from the fields. On the third page of this Guide is a picture of Vick's vegetable exhibit at the New York State Fair, held in Syracuse, September 13 to 18, 1909. The top of the pyramid in the lower section is the Earliana tomato, the crowning feature of an alluring display of vegetables grown from Vick's Seeds by Monroe County gardeners.

Packet, 10 cents; $\frac{1}{2}$ ounce, 35 cents; ounce, 60 cents; $\frac{1}{4}$ pound, \$1.60; pound, \$6.00



TURNIP, EARLY SNOWBALL

RUTA BAGA OR SWEDE TURNIPS

Packet, 5 cents; ounce, 10 cents; $\frac{1}{4}$ lb., 20 cents;
lb., 60 cents.

When five to ten pounds, or larger quantities, are required, special prices will be quoted.

White Sweet Swede. A large, white, solid Swede, sometimes called White Russian. Quite desirable for table or stock-feeding. A great yielder. Fine form and good keeper.

Vick's Imperial Purple-Top Yellow. An excellent variety either for the table or cattle-feeding. Flesh yellow, firm, solid, rich, and sweet. Very hardy, prolific, tender. A splendid keeper.

Laing's Purple-Top Strap-Leaved. A large early sort of fine quality. Flesh yellow, very sweet. Tops peculiar in that they are strap- or entire-leaved.



TURNIP, PURPLE TOP WHITE GLOBE

T U R N I P S

SOW in drills from twelve to eighteen inches apart, and half an inch deep. In this climate we sow from the 25th of July until the middle of August. Swede or Ruta Baga Turnips should be sown the first of June, the rows being about eighteen inches apart, and the plants in the rows not less than ten inches. One ounce of seed will sow 200 feet of row; and two to three pounds are required for an acre in drills.

Packet 5 cts.; oz., 10 cts.; $\frac{1}{4}$ lb., 20 cents; lb., 60 cts.;
except as noted.

Purple-Top Strap-Leaved

Flat, medium size, purple above ground, white below. The most popular variety for early use, either for table or stock.

Early White Flat Dutch, Strap-Leaved. Similar to above. A fine, early, white sort, of quick growth and excellent quality.

Purple-Top White Globe

An improved variety of the purple-top flat Turnip; globular in shape, of fine appearance, a good keeper, of excellent quality, and equally desirable for table or stock.

Extra Early Purple-Top Milan. A white variety, purple-top and strap-leaf. This, with the White Milan, is the earliest of all Turnips; Remains in good condition a long time. Packet, 5 cents; oz., 10 cents. $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

Extra Early White Milan. Similar to above except it is pure ivory white in color, and about one week earlier. Packet, 5 cents; oz., 15 cents; $\frac{1}{4}$ lb., 30 cents; lb., \$1.00.

Early White Snowball

or Six-Weeks. A perfect globe-shaped, white-skinned Turnip, of medium size and excellent flavor. For early sowing this is one of the best, being crisp and tender, and maturing in six weeks from the time of sowing. A good keeper. Fine for family or market. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 25 cents; lb., 80 cents.

New White Egg. A very excellent variety. Nearly oval or egg-shaped. Flesh firm and fine-grained, and of snowy whiteness. Its flavor is of the very best. Particularly desirable for table. Can be sown as late as the middle of August.

Long White Cow-Horn. A quick-growing sort, half-long in shape fine-grained, sweet, good quality. Roots grow partly above ground. Very productive.

Sweet German. This Turnip is very popular in many sections. It partakes largely of the nature of the Ruta Baga, and should be sown as early. Flesh white, hard, firm, and sweet, with none of the pungency of the common Turnip. Superior for table or for stock. A long-keeper, and generally solid until midsummer. Highly recommended for winter and spring use.

Orange Jelly (True). This is the most distinct yellow Turnip ever offered. It is of very fine texture, and the best, sweetest, and most delicious of the yellow-fleshed varieties. It is of medium size, with small tap-root, a rapid grower, matures early, and keeps well. A superior table variety. Packet, 5 cents; oz., 10 cents; $\frac{1}{4}$ lb., 20 cents; lb., 70 cents.

Robertson's Golden Ball. Similar to Orange Jelly, but larger and not so fine-grained.

Large Yellow or Amber Globe. Good for general crop. Excellent for table or for stock-feeding. Flesh yellow, firm, and fine-grained. A good keeper and cropper.

Yellow Aberdeen. Roots medium size, round, flesh yellow, tender and sugary. Very hardy and productive. A good keeper. Good for both table and stock.

Yellow Stone. One of the best yellow-fleshed sorts for table use and stock.

Pomeranian White Globe. Very productive, in good soil roots frequently grow from ten to twelve pounds. Good for table or stock-feeding.

Large White Norfolk. A standard variety for field-culture for stock-feeding. Grows to a large size and is very productive.

T O B A C C O

Connecticut Seed-Leaf. Packet, 5 cts.; oz., 25 cts.

Havana (or Cuban). Packet, 10 cts.; oz., 40 cts.

SEEDS IN BULK

In the following list we quote prices for seeds by the peck, four quarts, and quart, when sent by freight or express *at the expense of the purchaser*. We deliver them at express offices or railroad depots in this city at these rates, bags, packing, and cartage free, *but in no case can we prepay the charges unless the amount has been previously advanced to us for that purpose*. On all seeds not included in this list, ordered by express or freight to be shipped not prepaid, the purchaser may deduct from the prices given in the preceding pages 10 cents per lb. on all seeds quoted by the pound.

BEANS—Wax-Podded.

	Qt.	4 qts.	Pk.
Prolific German Black Wax	\$0 35	\$1 25	\$2 25
Golden Wax	35	1 25	2 25
Rustless Golden Wax	35	1 25	2 25
Wardwell's Kidney Wax	35	1 25	2 25
Refugee Wax	35	1 25	2 25
Davis White Wax, White Seeded	35	1 25	2 25
Yosemite Mammoth Wax	45	1 60	2 75

BEANS—Green-Podded.

Long Yellow Six Weeks	35	1 25	2 25
Extra Early Red Valentine	35	1 25	2 25
Bountiful	35	1 25	2 25
Giant Stringless Green-Pod Valentine	35	1 25	2 25
Extra Early Refugee	35	1 25	2 25
Dwarf Horticultural	35	1 25	2 25
True Bush Lima (Burpee)	35	1 25	2 25
Imp'd Bush Lima (Dreer)	35	1 25	2 25
Wood's Prolific Bush Lima	35	1 25	2 25

BEANS—Pole or Running.

Extra Early Jersey Lima	35	1 25	2 25
Seibert's Large Early Lima	35	1 25	2 25

BEANS—Continued.

	Qt.	4 qts.	Pk.
King of the Garden Lima	\$0 35	\$1 25	\$2 25
Dreer's Improved Lima	35	1 25	2 25
Large White Lima	35	1 25	2 25
Old Homestead	35	1 25	2 25

SWEET CORN.

Hiawatha	35	1 25	2 25
Vick's Earliest of All	25	75	1 25
Mammoth White Cory	25	75	1 25
Extra Early Golden Bantam	25	75	1 25
Metropolitan	25	75	1 25
Kendel's Early Giant	25	75	1 25
Perry's Hybrid Sugar	25	75	1 25
Early Minnesota	25	75	1 25
Crosby's Early	25	75	1 25
Moore's Early Concord	25	75	1 25
Potter's Excelsior (Squantum)	25	75	1 25
Early Evergreen	25	75	1 25
Early Mammoth	25	75	1 25
Hickox's Improved	25	75	1 25
Black Mexican	30	1 00	1 85
Stowell's Evergreen	25	75	1 25
Country Gentleman	25	75	1 25
Mammoth Late Sugar	25	75	1 25

PEAS.

	Qt.	4 qts.	Pk.
Vick's Extra Early	\$0 35	\$1 25	\$2 25
Alaska (Earliest of All)	35	1 25	2 25
Gradius (Prosperity)	35	1 25	2 25
Thomas Laxton	35	1 25	2 25
Nott's Excelsior	35	1 25	2 25
Extra Early Premium Gem	35	1 25	2 25
Surprise	30	1 10	2 00
American Wonder	35	1 25	2 25
Bliss' Abundance	30	1 10	2 00
Bliss' Everbearing	30	1 10	2 00
Vick's Daisy	45	1 50	2 75
Horsford's Market Garden	35	1 25	2 25
Imp'd Pride of the Market	35	1 25	2 25
McLean's Advancer	35	1 25	2 25
Improved Stratagem	30	1 10	2 00
Telephone	35	1 25	2 25
Long Island Mammoth	35	1 25	2 25
Yorkshire Hero	30	1 10	2 00
Champion of England	30	1 10	2 00
Duke of Albany (American Champion)	30	1 10	2 00
Swastika	45	1 50	2 75
Mammoth Melting Sugar	35	1 25	2 25
Large White Marrowfat	25	75	1 35
Large Black Eye Marrowfat	25	75	1 35
Canada Field			2 50

USEFUL HERBS

A very small space in the garden will give all the herbs needed in the family. The culture is very simple; and the best way is to make a little seedbed in the early spring and set the plants out in a bed as soon as large enough. As a general rule it is best to cut the herbs when in flower, tie them up in small bunches, and hang in the shade to dry. We give a list of the herbs generally cultivated and prized. Of some kinds we furnish roots, as will be seen below:

	PKT.		PKT.		PKT.
Anise, per lb., \$1.00; per ounce, 10 cents	5	Hop Seed, per ounce, \$1.50	20	Savory, Summer, per ounce, 15 cents	5
Balm, per ounce, 30 cents	5	Hyssop, per ounce, 25 cents	5	Savory, Winter, per ounce, 20 cents	5
Basil, Sweet, per ounce, 20 cents	5	Lavender, (Lavendula spica,) per oz., 10 cts.	5	Sorrel, French, per ounce, 15 cents	5
Borage, per ounce, 20 cents	5	True, (Lavendula vera,) ounce, 25 cents	5	Tansy, per ounce, 30 cents	5
Caraway, per lb., \$1.00; per ounce, 10 cents	5	Marjoram, Sweet, per ounce, 20 cents	5	Thyme, Broad-Leaved, or Winter, per oz., 30 cts.	5
Catnip, per ounce, 30 cents	5	Rosemary, per ounce, 40 cents	5	Summer, per ounce, 30 cents	5
Coriander, per lb., 75 cents; per ounce, 10 cents	5	Rue, per ounce, 20 cents	5	Wormwood, per ounce, 30 cents	5
Dill, per ounce, 10 cents	5	Saffron, per ounce, 10 cents	5	Lavender, roots, by mail, each, 15 cts. two for 25c.	
Fennel, Large Sweet, per ounce, 10 cents	5	Sage , per lb., \$2.00; per ounce, 20 cents	5	Sage, roots, by mail, each, 15 cts.; two for 25c.	
Hoarhound, per ounce, 30 cents	5				

BOOKS FOR GARDEN OR GREENHOUSE

Postage or Express Charges prepaid on any of these Books.

Alfalfa. Its growth, uses and feeding value, together with notes on its history, botany, etc. By F. D. Coburn. Illustrated, cloth, 160 pps. 50 cents	The Amateur's Practical Garden Book. By C. E. Hunn and L. H. Bailey. Contains complete directions for growing the commonest of things about the house and garden. \$1.00	Mushrooms. How to grow. 10 cents
Asparagus. Its culture for home use and for market. By F. M. Hexamer. Handsomely illustrated, 5 x 7 inches, 170 pages, cloth. 50 cents	Garden Making. By L. H. Bailey. Contains directions for buildings, fences and hedges, preparation of land, planting trees and shrubs; insects and diseases, tools, laying out grounds, lawn making and planting, pruning trees, raising flowers, vegetables and fruits. \$1.50	How to Grow Mushrooms. By Wm. Falconer. A practical treatise on Mushroom Culture for profit and pleasure. \$1.50
Cabbage, Cauliflower and Allied Vegetables. From Seed to Harvest. By C. L. Allen. A practical treatise on the various types and varieties of cabbage, cauliflower, broccoli, Brussels sprouts, kale, collards, and kohl rabi. Illustrated, 142 pages, 12mo, cloth. 50 cents	Horticulturists' Rule Book. By L. H. Bailey. Useful information for fruit growers, florists and gardeners. \$1.50	How to Make Money Growing Violets. Saltford. 25 cents
Greenhouse Management. By L. R. Taft. A manual for florists and flower lovers on Forcing Flowers, Vegetables and Fruits. \$1.50	Onion Culture, The New. By T. Greiner. This work is full of new, original and highly valuable matter of material interest to every one who raises onions in the family garden, or by the acre for market. 50 cents	Roses and How to Grow Them. A manual for growing roses in a garden and under glass. Illustrated, 12mo, 189 pages. \$1.10
The Forcing Book. By L. H. Bailey. A manual on the cultivation of Vegetables under glass. \$1.50		The Small Fruit Culturist. By A. S. Fuller. Equally adapted to the needs and requirements of the private cultivator and the large grower. Illustrated. \$1.00
		Strawberry Culturist. By Andrew S. Fuller. Showing the history, sexuality, and best culture; how to fertilize, grow from seed, etc. Illustrated, flexible cloth, 12mo. 25 cents

We can supply (at regular prices) any Horticultural book published.

Send us a list of your needs and we will be pleased to quote prices.

REMEMBER

That our prices include the Postage or Express Charges on all articles in this Catalogue, unless otherwise stated.



To make a perfect lawn good seed is absolutely essential. Vick's Velvet Lawn Grass is composed of pure seed, and contains no chaff nor weed seeds. A velvet lawn is assured in six weeks after sowing.

The Velvet Mixture contains all of the very best varieties of grasses suitable for making a Lawn beautiful in appearance, durable and lasting, and which will stand the frosts of winter and the hot sun of summer, showing a deep rich green at all seasons. The seed used is pure and heavy and especially cleaned. There is a great difference in the quality of Lawn Grass Seed. Our formula includes all the best grasses for the purpose, with an allowance of white clover. The seeds have all been recleaned, are free from weeds and grown especially for our trade. We have received many flattering testimonials as to the quality of Vick's Velvet Lawn Mixture a few of which we present on the following page. Per quart, 30 cents; lb., 45 cents; postpaid. Peck, (5 lbs.) \$1.50; bushel (20 lbs.) \$5.00; express or freight not prepaid.

FOR a fine lawn make the soil light and mellow, so that it will not bake after a rain; and if it is very heavy or clayey, cover the surface with a light coating of fine manure after sowing the seed. For small plots sow about one quart of Vick's Velvet Lawn Seed to a square rod, which will make a beautiful thick turf. For larger areas we present a table showing how much seed is required for any number of square feet:

For 1 acre, 43560 square feet 4 bu. or 80 lbs.	For 1/3 acre, 14520 square feet 1 1/2 bu. or 27 lbs.	For 1-12 acre, 3630 square feet 7 lbs.
" 1/2 " 21780 " " 2 " 40 "	" 1/6 " 7260 " " 14 "	" 1-16 " 2723 " " 1/4 bu. or 5 "
" 1/4 " 10890 " " 1 " 20 "	" 1/8 " 5445 " " 10 "	" 1-32 " 1362 " " 2 1/2 "

Sow as early as possible in the spring, so as to get the benefit of early spring rains. If it is not convenient to sow then, wait till September;—do not sow during the summer months. After sowing, rake seed in thoroughly so that it will be well covered. Rolling improves the appearance of any lawn, and frequent mowing is of course necessary.

Don't forget we give One Thousand Dollars in Cash Prizes
 Every user of Vick Quality Vegetable Seeds has a chance to win a Cash Prize. See frontispiece for particulars

Vick's Shady Spot Lawn Grass

For shaded corners or under trees, where ordinary grasses will not thrive. Per quart, 30 cents; per lb., 45 cents, postpaid; Peck, (5 lbs.) \$1.50; bushel (20 lbs.) \$5.00. Express or freight not prepaid.

Vick's Golf Mixture

For Golf Grounds we make two mixtures: One for Putting-Greens, and another for Fair-Greens. Both are the results of careful trials, and can be relied on to give satisfaction.

Putting-Green Mixture. Per pound, 45 cents, postpaid. 5 lbs., \$1.50; 10 lbs., \$2.50; 100 lbs., \$24.00; express or freight not prepaid. Sow 80 pounds per acre.

By quart and pound we prepay postage.

Fair-Green Mixture. Per pound, 35 cents, postpaid. 5 lbs., \$1.50; 10 lbs., \$2.50; 100 lbs., \$23.00; express or freight not prepaid. Sow 80 pounds per acre.

At the price per bushel and peck we ship by Express or Freight, not prepaid. No charge for bags, packing, or cartage.

Charlotte, N. Y., August 4th, 1909.

James Vick's Sons, Rochester, N. Y.

Gentlemen: Complying with your request for a statement of our experience with VICK'S SEEDS, it is a pleasure to herewith submit the following data covering the results of a large acreage sown to various seeds purchased direct from you.

The lawns, which consist of twenty-eight acres seeded with your special lawn mixture, have continued very green, clean and attractive throughout the past two seasons under very dry and trying conditions, and will undoubtedly last for many years. The deer and other parks look equally as well, supplying abundance of green feed. The productiveness and quality of our various grain fields and gardens are equalled by but few.

In recent development of this three hundred acre estate, we have been very thorough in our methods of cultivation, fertilizing and especially in the selection of seeds, and are willing, therefore, to share with you the credit so widely quoted, that Elmtree Farm is one of the most beautiful and productive in the State of New York.

Very truly yours,

ELMTREE FARM.

Dean Knickerbocker, Manager.

Pulverized Sheep Manure

The most satisfactory Fertilizer for the Green-house, Lawn, Vegetable or Flower Garden, Trees and Shrubs. Odorless and clean. It is extensively used on our farms in preference to all other Fertilizers

A pure, natural, odorless fertilizer and the most nutritious food for all vegetable growth. The best for lawn and garden. Its effect is immediate, lasting, and it can be applied without risk. On lawns its effect is readily apparent and it should be applied either in spring or fall to achieve the best results. One ton is sufficient for an acre, and 12 pounds for a plot 15 by 20 feet. 6 lbs., 35 cents; 25 lbs., 75 cents 50 lbs. \$1.25; 100 lbs., \$2.00; by express or freight, charges not prepaid.

HOW TO SAVE MONEY!

Ask for Vick's Catalogue of Fruit and Ornamental Trees. High-grade stock at low prices.

Estate of W. H. Wadsworth, Geneseo, N. Y.

JAMES VICK'S SONS

July 1, 1909

Gentlemen—The Lawn Grass Seed which we received from you the past season has proved a success, despite dry weather, making a thick sward, and entirely free from weeds.

JOHN LIVINGSTONE.

The Eastman Estate, Rochester

JAMES VICK'S SONS

June 18, 1909

Gentlemen—I have used your Lawn Grass seed Mixture for the past three years and find it a mixture of superior quality, producing a beautiful lawn. The lawn in the Eastman gardens is admired by everyone who sees it. I recommend your seed to anyone who desires a satisfactory lawn. WILLIAM PIRIE.

JAMES VICK'S SONS

Geneseo, N. Y., July 7, 1909.

Gentlemen: It gives me pleasure to state that the Lawn Grass seed furnished by your house gave most satisfactory results.

The seed you sent for terrace work made a very good showing under the most adverse conditions.

WILLIAM GILMORE.

Superintendent for J. W. Wadsworth.

Special Grass Mixtures

These Mixtures contain over a dozen of the best permanent grasses, both American-grown and imported. All are permanent, and when once established will last indefinitely, if the fertility of the soil is kept up by occasional top-dressing.

Standard Hay Mixture. For general hay lands; containing six varieties of grasses. Pound, 25 cents; bushel, \$2.25.

Standard Pasture Mixture. For ordinary pastures, where the land is neither very wet nor very dry. Pound, 25 cents; bushel, \$2.25.

Dry Pasture Mixture. For very high and dry pastures; containing grasses that withstand exposure and severe weather. Pound, 25 cents; bushel, \$2.25.

Wet Pasture Mixture. Made up of grasses especially adapted to damp places. Pound, 25 cents; bushel, \$2.25.

All the above mixtures are made up to sow 42 pounds to the acre.

Mixed Clover for permanent pastures, 10 pounds, sufficient to sow one acre, \$2.50.

At the prices given we do not prepay carrying charges. Not less than 25 pounds at 100 pound rate. No charge for bags or packages.

Horseheads, N. Y., Aug. 9, 1909.

I raise Vick's Victor Potatoes for half of main crop and ask for no better. They will be ripe in two weeks. E. R. AUSTIN.



SUNFLOWER

Mammoth Russian. Highly valued by farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. Sow seed as soon as the ground is warm, in hills four feet apart each way. Three pounds of seed will plant one acre. Yields from fifty to seventy bushels per acre. ¼ pound, 10 cents; ½ lb., 15 cents; lb., 25 cents; 100 lbs., \$7.00.

White Beauty. A Sunflower with snow-white seeds. This strikingly distinct new sort is not only the most beautiful, but the most vigorous, out-yielding the old sorts almost two to one, 3,000 pounds per acre being no unusual yield. Ounce, 5 cents; ¼ lb., 15 cents; lb., 35 cents.

HEDGE PLANTS

HONEY LOCUST

Gleditsia triacanthos. One of the most valuable native trees, on account of its rapid growth and the longevity of the timber. The seeds are very slow to germinate, and for this reason should be treated with hot water. Take up small plants and heel in; cover the plants in the fall and set out the next spring. About 175 seeds to the ounce. Ounce, 10 cents; lb., 60 cents.

OSAGE ORANGE

Maclura aurantiaca. Used extensively as a hedge plant. It is easily kept dwarf by cutting back. Sow last of May. About 600 seeds to the ounce. Ounce, 10 cents; lb., 60 cents.



MEADOW SCENE ON ELMTREE FARM, CHARLOTTE, N. Y.

EXTRA CHOICE GRASS SEEDS

While we quote some sorts by bushel or 100 pound rates these figures are merely suggestive—the markets on grass seed varying from day to day, but we invite inquiries from intending purchasers to whom we will cheerfully quote best prices by return mail. We invite correspondence on the subjects of agriculture and allied interests, and will gladly give what information lies in our power.

At pound price we prepay postage. Pecks or Bushels by Express or Freight at Expense of Purchaser

- Creeping Bent, or Fiorin** (*Agrostis stolonifera*). Desirable for mixing with other lawn or pasture grasses, as it thrives in moist land, on which water does not stagnate. 2 to 2½ bushels per acre. Bushel, 20 pounds. Pound, 45 cents; 100 lbs., \$30.00.
- Red Top, fancy** (*Agrostis vulgaris*). Valuable in a mixture for either lawns, pastures, or meadows, growing in almost any soil, moist or dry. For lawns forty-five pounds; for pasture twenty-five to thirty pounds per acre. Fancy cleaned. Pound, 30 cents; 100 lbs., \$18.00.
- Red Top.** Pound, 25 cents; peck, 75 cents; bushel, (14 lbs.) \$2.50; 100 lbs., \$16.00.
- Bermuda Grass.** Invaluable for crop in the South, standing a greater degree of heat than any other known grass. Pound, 70 cents; per 100 lbs., \$50.00.
- Sweet Vernal Grass, TRUE PERENNIAL** (*Anthoxanthum odoratum*). The chief merit of this grass lies in its fragrant odor. In a mixture for lawns and pasture lands it is invaluable. Per lb., \$1.00; ounce, . . . 15
ANNUAL SWEET VERNAL, per lb. 40
- Tall Meadow Oat Grass** (*Avena elatior*). Valuable for pasture. The most promising for replacing prairie grass at the west. Four bushels to the acre. Bushel, 13 pounds. Pound, 40 cents; 100 lbs., \$20.00.
- Hungarian Brome** (*Bromus inermis*). A perennial grass especially suited to dry lands and regions subject to severe droughts. It does well in all parts of the country, North and South. It grows most rapidly in sandy soils, but will establish itself on the heaviest lands. 25 pounds of seed per acre. Bushel, 14 pounds. Pound, 30 cents; 100 lbs., \$15.00.
- Orchard Grass** (*Dactylis glomerata*). One of the very best pasture grasses, exceedingly palatable to stock, will endure a good deal of cropping. One and one-half to two bushels per acre. Bushel, 14 pounds. Pound, 45 cents; 100 lbs., \$22.00.
- Meadow Fescue** (*Festuca pratensis*). Excellent pasture grass. Sow in a mixture with other grasses, as Orchard Grass, Rye Grass, or Kentucky Blue Grass. 40 lbs. per acre. Bushel, 22 pounds. Pound, 40 cents; 100 lbs., \$25.00.
- Perennial Rye Grass** (*Lolium perenne*). Valuable for permanent pasture, in mixture with other pasture grasses. One and one-half to two bushels per acre. Bushel, 24 pounds. Pound, 30 cents; 100 lbs., \$9.00.
- Italian Rye Grass** (*Lolium Italicum*). Used in Europe for soiling. Gives early, quick and successive growth, till late in fall. Two bushels to the acre. Bushel, about 18 pounds. Pound, 30 cents; 100 lbs., \$9.00.
- Hungarian Grass** (*Panicum Germanicum*). Valuable soiling plant. May be sown as late as first of July, and produce a large green crop. One bushel to the acre. Bushel, 48 pounds. Pound, 20 cents; bushel, \$2.50.
- German, or Golden Millet.** Medium early forage plant, prolific in stalk and grain; 38 pounds per acre. Bushel, 50 pounds. Pound, 20 cents; bushel, \$2.50.
- Japanese 'Barnyard Millet** (*Panicum Crus-Galli*). Enormously productive yielding from four to six tons of cured forage per acre, on rich soils. Six to eight feet in height. Sow in May, broadcast. Ten to fifteen pounds per acre; or in drills, eight pounds per acre. Pound, 25 cents; 100 lbs., \$8.00.
- East Indian or Pearl Millet** (*Penicillaria spicata*). Grows from eight to ten feet high. When cultivated for fodder, sow in drills three feet apart, and thin out to one foot apart in the rows. Four to six pounds per acre. Pound, 20 cents; 100 lbs., \$7.00.
- Siberian Millet.** A new and wonderfully productive forage plant from Russia; extremely hardy; about four feet in height. The hay and fodder are very nutritious and much liked by all kinds of stock. Sow in April, May, or June, one peck to the acre. Pound, 20 cents; 100 lbs., \$7.00.
- Timothy** (*Phleum pratense*). A field and not a pasture grass, as it will not endure close and frequent cropping; but for a hay crop on strong soils it will produce more than any other sort. One-fourth to one-half bushel per acre. Bushel, 45 pounds. Pound, 20 cents; bushel, market price.
- Kentucky Blue Grass** (*Poa pratensis*). In conjunction with White Clover it forms the finest and closest turf. As a pasture grass it furnishes the most nourishing food for cattle of any kind, until winter; thrives on a variety of soils, but does best in dry and somewhat shady localities. Sixty pounds for lawn and twenty pounds per acre for pasture. Extra fancy, re-cleaned. Pound, 40 cents; per bushel, \$3.00; 100 lbs., \$20.00.
- Rough-Stalked Meadow Grass** (*Poa trivialis*). One of the most valuable grasses to cultivate in moist, rich, sheltered soils. One and a half bushels per acre. Bushel, 14 pounds. Pound, 60 cents; 100 lbs., \$40.00.



FIELD OF AMERICAN BANNER OAT. (See page 42)

VICK QUALITY FARM SEEDS

At Pound or Quart, we Prepay Postage. Pecks or Bushels by Express or Freight at Expense of Purchaser
Special Prices on Large Quantities

ARTICHOKE

Helianthus tuberosus (*Jerusalem Artichoke*). Artichokes are planted same as potatoes. Four bushels will produce 1200 bushels of roots. It is very hardy, and will stand freezing and thawing, and hogs will grow faster and become more healthy on this than on any other feed. Quart, 35 cents; peck, 75 cents; bushel, \$2.50.

BEANS

Soja Bean (*Glycine hispida*, or *Soja hispida*). Valuable as a forage crop and for fertilizing the soil. Thrives well in hot and dry weather. Sow broadcast one-half bushel to the acre, or plant in drills three feet apart and one foot between plants. Pound, 25 cents; bushel, \$3.50.

Velvet Bean (*Mucuna utilis*). Used by farmers in the Southern States as a forage plant, and also as a fertilizing plant for turning under. Its nitrogen-gathering properties are said to surpass those of the Cow Pea. Stock readily eat the vines and leaves, and the beans when ground, with or without the pod, are used in place of oats or corn, and sometimes mixed with them. Two or three seeds planted four feet apart in rows five feet apart will literally cover the ground two or three feet thick with a mass of foliage and vines, no matter how poor the soil. Pound, 25 cents; peck, \$1.50; bushel, \$5.00.

BROOM CORN

Improved Evergreen. This variety is now grown more extensively than any other, on account of its straight, long, light green brush. It is very productive. Sow six pounds to an acre. Pound, 25 cents; 100 lbs., \$8.00.

COW PEAS

This pea has always been valuable for improvement of the soil. It is considered superior to clover for plowing under as a preparation for wheat, as it matures the first year from seeding. Plant seed in a thoroughly pulverized warm soil. If wanted to plow under for manure, sow in drills one foot apart. If grown for fodder, or for the seed, plant three feet apart and cultivate thoroughly.

Black Eye, Clay, Wonderful, Whippoorwill, Mixed.

All varieties at the Market Price. Write for prices.

WILD RICE

Zizania aquatica. Valuable as a forage plant for swamps and wet land. Stock are fond of it when green and also when cured for fodder. It is also much sought after by water fowl. Pound, 35 cents; 100 lbs., \$20.00.

RAPE, Dwarf Essex, English

Especially grown for feeding sheep, but cattle, pigs, and milch cows do very well upon it. Sheep should have access to a grass pasture, on which they will feed alternately with the Rape, thus keeping them in the best condition. A constant supply of salt in the Rape field is quite beneficial. For sheep pasture, sow in May, and it will be ready for pasturing in July and August. Or sown in June, or even up to the latter part of July, it will furnish a large amount of pasture or fodder. In drills, sow five pounds to the acre; broadcast, ten pounds to the acre. Pound, 25 cents; 100 lbs., \$10.00.

SORGHUM

When wanted in larger quantities than quoted, ask for special prices.

Early Amber. This variety is coming into general use for summer fodder for cattle in place of sowed corn, yielding two crops in a season. It is claimed to keep up the flow of milk, and cows like it better than any other feed. It is also easily cured, and makes excellent dry fodder. Three to four pounds are sufficient for an acre, in drills thirty inches apart, sowing the seed thick and shallow in the row. Pound, 25 cts.; 100 pounds, \$6.00.

Kaffir Corn. This will do well wherever Amber Cane will grow. It is used as a green fodder. Pound, 25 cents; 100 lbs., \$6.00.

Millo Maize. when cut for feeding it starts again from the remaining stumps with renewed strength and vigor; thrives in the hottest and driest localities. It is relished by cattle, hogs, etc., etc. Pound, 25 cents; 100 lbs., \$7.00.

Jerusalem Corn. Belongs to non-saccharine Sorghums. It is considered a good sure grain for dry sections and seasons. It produces several small heads on side shoots, often as many as eight heads on a stalk. Three pounds will plant an acre. Pound, 25 cents; 100 lbs., \$8.00.

Johnson Grass (*Sorghum Halapense*). Popular in the Southern States, where it is considered one of the most valuable forage plants. One bushel per acre. Bushel, 25 pounds. Pound, 25 cents; 100 lbs., \$9.00.

SPURRY

Spergula arvensis. Annual. Grows well on poor, dry, sandy soils. It is in best condition for pasture in four to six weeks after sowing, and may be sown every month from March to August. Sow fifteen pounds to the acre. Pound, 25 cents; 100 lbs., \$7.00.

CLOVER

Special Quotations for Large Quantities

For many years we have made Grasses and Clover a careful study. Our stocks are free from weeds and of the highest germinating quality, and we offer them with the assurance that, if favored with your orders, they will be filled promptly and with stock that cannot be excelled. Red Clover, Alfalfa and Kentucky Blue Grass are again extremely scarce,—that is for good samples and early orders are advisable.

“KING BRAND” of Clover and Timothy

King brand appears upon our highest grades of both Timothy and Clover, and indicates that the seed is pure, fresh, and of the highest vitality.

A-1 brand is used upon grades which are perfectly pure, but not as handsome appearing.

The Timothy especially is a greater part of it hulled, owing to the fact that it is fully ripened, and the hull separates from the seed in the cleaning process, but this does not in any way injure the vitality, as matured seed will always grow.



	Per 100 lbs.,	
	Per lb., charges not	
	postpaid.	prepaid.
King Timothy .25	Prices on	
A-1 Timothy .20	Application	

	Per lb.,	Per 100 lbs.,
	postpaid.	charges not
		prepaid.
King Red Clover . . . . .	.35	Prices on
A-1 Red Clover . . . . .	.30	Application.

Samples furnished free upon application. Special quotations on large quantities.

Scarlet, or Crimson (*Trifolium incarnatum*). Most valuable crop for green manuring, soiling, hay, pasture, and ensilage. It is an annual and must be sown every year. Improves worn out and poor soils, and is the cheapest and best fertilizer. Should be sown in August and September. Sow 10 to 15 pounds per acre. Bushel, 60 pounds. Pound, 25 cents; bushel, market price.

Alsike, or Swedish (*Trifolium hybridum*). Thrives in rich, moist soil. Does not succeed on high, dry lands. Eight pounds per acre. Pound, 30 cents; bushel, market price.

White (*Trifolium repens*). Valuable to mix with lawn grass; should be in every mixture for permanent pasture. 10 lbs. to the acre, half the quantity when sown with other grasses. Ounce, 10 cents; lb., 35 cents; 100 lbs., market price.

Sweet, or Bokhara (*Melilotus alba*). Makes excellent food for bees. Ounce, 10 cents; lb., 40 cents.

Alfalfa, or Lucerne (*Medicago sativa*). Where this succeeds it is the most valuable of all the clovers; requires a very fine, mellow, deep soil. Ounce, 10 cents; lb., 35 cents; bushel, market price.

RYE

Spring Rye. This variety has been developed simply by planting Winter Rye in the spring and selecting the seed so produced for several years. The standard variety for spring planting. Peck, 60 cents; bushel, \$1.75.

White Winter. Much prized for its straw, also for plowing under as a green manure. The ordinary fall-sown variety, of which we offer choice selected stocks only. Peck, 60 cents; bushel, \$1.75.

WHEAT

SPRING—Peck, 60 cents; bushel, \$2.00.
WINTER—Peck, 60 cents; bushel, \$2.00.



SWEDISH OR WASHINGTON OAT

OATS

Swedish or Washington

The Ideal Oat for the American Farm.

This superb variety has already proven its superiority, and is undoubtedly the heaviest cropping white Oat ever offered, having yielded over 100 bushels to the acre and ordinary crops going sixty bushels and over. It is practically immune from rust, is the earliest and most bountiful cropper of the heavy growing sorts. Being a very deep rooter it resists drought more easily than others. The grains are absolutely white, thick and plump and very thinly hulled, making them most valuable as a feeding Oat. Although succeeding best on clay soils it has yielded generous amounts under all conditions. The straw is long and stout, and consequently stands up well, and does not lodge nor twist. Sow three bushels per acre.

Pound, 25 cents; three lbs., 60 cents; peck, 50 cents; bushel, \$1.85.

Vick's Improved American Banner.

When we introduced the American Banner Oat we knew it was a good thing, and it still retains its place with the leaders, in fact its fame is higher and more secure than ever before. An average of eighty pounds have been raised from one pound of seed, and 100 bushels from an acre. The grain is white, large, and plump, ripens early; straw stiff and of good length. Postpaid, pound, 20 cents; three lbs., 50 cents. Peck, 50 cents; bushel, \$1.35.

BARLEY

Hulless. Hulless, like wheat, when threshed. Ripens early and yields about ten bushels more per acre than other barley. Pound, 25 cents; peck, 75 cents; bushel, \$2.25.

Early Russian Six-Rowed. For malting it has no equal; and the yield, as compared with other varieties, is enormous. Peck, 60 cents; bu., \$2.00.

Champion Beardless. Early and prolific. Peck, 75 cents; bushel, \$2.25.

Manshurey. The most productive six-rowed variety. Ripens early, with strong, stiff straw. Peck, 60 cents; bushel, \$2.00.

BUCKWHEAT

Japanese. The yield of this variety is largely in excess of the old sorts. The straw is heavier and more branching, kernels twice the size of the old kinds, and ripening a week earlier. Pound, 20 cents; peck, 50 cents; bushel, \$1.75.

Silver Hull. The best for flouring purposes. Kernels smaller than Japanese, silvery gray in color. Pound, 20 cents; peck, 50 cents; bushel, \$1.75.

FIELD CORN. See page 16.

At the pound price, we prepay postage; at the bushel price we ship by Express or Freight, not prepaid. (Prices on pages 39, 40, 41 and 42, subject to market fluctuations without notice.

FLOWER SEEDS

Vick Quality Aster Collection

Six varieties of our introduction. We consider them the best for all purposes, the collection giving a range of color, long periods of bloom, and several types of flowers.

Vick's Mikado Pink Rochester.....	.25
Vick's Mikado White.....	.25
Vick's Early Upright White.....	.25
Vick's Imperial Daybreak.....	.10
Vick's Early Branching Rose.....	.25
Vick's Violet King.....	.10
Vick's How to Grow Asters.....	.10

\$1.35

Collection of six of the recent introductions, and "How to Grow Asters," for \$1.00, postpaid.

Vick's Branching Aster Collection

White, Pink, Rose, Crimson; Purple, Lavender, Dark Violet. Packet, 10 cents; one packet each of seven colors, 50 cts.; postpaid. See page 49.

How to Grow Asters Their Culture and Care

Revised edition now ready. Contains many new points of value, and is a practical instructor for the Aster grower. Free with an order for Vick's Aster Seed amounting to 25 cents, or sent postpaid on receipt of 10 cents without order for seed.

Antirrhinum (Snapdragon)

The old favorite Snapdragon is growing in popularity as a bedding plant, owing to the great variety of colors and the long time the plants remain in bloom.

Scarlet and Yellow.....	.05
Striped.....	.05
Yellow.....	.05
White.....	.05
Blood Red and White.....	.05
Orange and Scarlet with White Throat.....	.05
Crimson with White Throat.....	.05
Rose.....	.05

Collection of eight packets, postpaid, for 30 cents. .40

Vick's Collection of Petunias

One packet each of the following extra fine Petunias:

Large-flowering Single, mixed.....	.25
Large-flowering Vick's Fringed, mixed.....	.25
Large-flowering Giants of California, mixed.....	.20
Single-flowered Bedding, mixed.....	.10
Double-flowered Bedding, mixed.....	.25

Collection of five varieties, postpaid, for 80 cents. \$1.00

Vick's Collection of Phlox Drummondii Grandiflora

Phlox is one of the most satisfactory Annuals for bedding, blooming early in June to late Fall. Nothing equals it for massing.

Fourteen different colors in separate packets for \$1.00.

Regular catalogue price, \$1.20.

Seven different colors for 50 cents. Regular price, 70c.

Vick's Collection of Climbing Nasturtiums

Eighteen varieties in separate packets, for 75 cents, postpaid. See page 60.

Vick's Collection of Dwarf Nasturtiums

Eighteen varieties in separate packets, 75 cents.

Vick's Collection of New and Rare Giant-flowering Pansies

Five of the grandest new French introductions, the colors being most striking in their brilliancy, and the curled and wavy petals make the flowers extremely interesting and novel. See page 62.

Psyche, Violet, white border, crimped, curled and wavy petals.....	.20
Andromeda, Rose and Lavender.....	.20
Emperor Franz Joseph, Violet Spotted.....	.20
Prince Henry, Darkest Blue, extra fine.....	.20
Masterpiece, Giant, crimped and ruffled; mixed colors.....	.20

Collection of five varieties, postpaid, for 85 cents \$1.00

Vick's Collection of Poppies

If you want a novel and showy bed of flowers, try the Poppy. Unsurpassed in brilliancy of colors and marking. See page 65.

American Flag, Snow White bordered with Scarlet, double.....	.05
White Swan, Double fringed, White.....	.05
The Tulip, Large single Scarlet, fine.....	.05
Cardinal, Large single, in variety of colors.....	.05
Shirley, One of the best and most showy of the single Poppies. All colors.....	.05
Golden Gate, Semi-double, a great variety of colors.....	.05

Collection of six choice varieties, postpaid, for 25 cents. .30

Vick's Banner Collections of Sweet Peas

A perfect Rainbow of Colors. Each in separate packet. Collection of twenty varieties, postpaid, for 25 cents. Collection of forty varieties, postpaid, for 40 cents. For description, see page 68.

Vick's Collection of Verbenas

Auricula-flowered, or White-eyed.....	.10
Striped.....	.10
Scarlet.....	.10
Pure White.....	.10
Cloth of Gold, Golden yellow leaves; mixed colors.....	.10
Cærulea, Blue shades.....	.10
Lutea, Yellow.....	.10
Purplish Violet, White center.....	.10

Collection of eight varieties, postpaid, for 60 cents. .80

Vick's Collection of Zinnias

Tall, double, eight separate colors—Lilac, purple, crimson, scarlet, rose, orange, yellow, white. In one collection for 30 cents. See page 71.



O the grower of flowers, as well as to the student of botany, the history of the Aster presents many interesting facts. The China Aster, as the name implies, is a native of China, and was introduced into Europe about the year 1731 by a Jesuit missionary, R. P. d'Incarville by name. At that time it was a single flower, the outer rays or florets being white, blue or violet in color, and the center a yellowish cast. Seeds of the single white and red Asters were received in England in 1731 and the single blue in 1736; but seeds of the double red, double blue and double white were not received until about 1753. About 250 varieties of Asters were known up to 1890. In 1893 Vick's Branching Aster was introduced. This marked the most important change in the character of the family. The branching habit, the long stems, the extremely large flowers, were a revelation to Aster growers and created a furore wherever shown. The first of this new race was the white, which was soon followed by the six colors, making an ideal collection and one which at that time seemed beyond improvement. Since introducing the Branching Asters, however, we have been the introducers of eighteen distinct varieties—one new Aster each year—and this year is no exception, for we present Vick's Rose King, a companion to Violet King, introduced in 1906.

It is not exaggeration for us to claim to be the leading Aster growers of the world; it is a statement borne out by facts. We have given to the public more high quality varieties than any other grower; many of these varieties are catalogued by seedsmen under the name "*Vick's* ———"; the seed we sell is grown under the personal care of an expert in Aster culture, and every pound is grown near Rochester; the seed is saved from perfect flowers only, is true to name and color, and is of the highest germination.

Remember, you are absolutely sure of getting Vick's Aster Seed when you buy the seed direct from the growers. There are however, a few reliable houses who have a limited quantity of our Aster seed, and catalogue them as "*Vick's*," but you are sure of what you buy when you buy of Vick.

\$200 in Cash Prizes for Vick Quality Asters

To be exhibited at New York State Fair, Syracuse, N. Y., September 12 to 17, 1910.

In addition to our offer of \$800 in cash for the best vegetables grown from Vick Quality Vegetable Seed, as announced on the frontispiece of this Catalogue, we offer a special prize of \$200 for the **Best Asters Grown from Vick Quality Aster Seed.**

CLASS A—Prizes for each of the Six Varieties

1st Prize	2d Prize	3d Prize	4th Prize
\$10.	\$5.00	\$3.00	\$2.00

You may enter any one or all of the following six:

- 12 blooms Vick's Mikado Pink, Rochester.
- 12 blooms Vick's Mikado White.
- 12 blooms Vick's Early Upright White.
- 12 blooms Vick's Imperial Daybreak.
- 12 blooms Vick's Early Branching Rose.
- 12 blooms Vick's Violet King.

Flowers in Class A cannot be entered in any other class.

Grand Prize for Vick Quality Aster Collection.

Twelve (12) blooms each (72 blooms in all) of

- Vick's Mikado Pink, Rochester.
- Vick's Mikado White.
- Vick's Early Upright White.
- Vick's Imperial Daybreak.
- Vick's Early Branching Rose.
- Vick's Violet King.

1st Prize, \$30 2d Prize, \$20 3rd Prize, \$15
4th Prize, \$10 5th Prize, \$5.00

Flowers entered for the Grand Prize will not be permitted to enter in any other class.

Notice—You are not barred from entering for prizes in Class A and the Grand Collection Prize, provided you send the proper number of flowers for both classes, and notify us of your intention to compete in both classes.

The same conditions govern both the Aster and Vegetable contests (see frontispiece.)

We suggest that you buy Vick Quality Aster Collection (see page 43). This gives the complete assortments called for in both contests. Should the flowers of one variety be injured you would still have other varieties to enter in Class A. *By this plan you are sure to have something good to exhibit, and who knows but what your Asters may win a prize?*

VICK'S MIKADO PINK "ROCHESTER"

Not since we brought out Vick's Violet King have we introduced an Aster of such pleasing color as we have in VICK'S MIKADO PINK "ROCHESTER."

The story of its new name is of more than passing interest. The people of Rochester, through the Chamber of Commerce, have recently chosen the Aster as the representative flower of this city. Members of the Chamber of Commerce were so pleased with the color, shape and size of Vick's Mikado Pink that they selected it as the official Rochester flower, and requested that we rename this variety "Rochester." Therefore, in addition to its former name it now bears the honored name of this city. During the recent Industrial Exposition, reproductions of this Aster appeared in countless papers, programmes and private advertising matter; thousands of souvenir spoons, watch fobs and hat pins carrying a design of this Aster were sold by various concerns. This beautiful flower will also appear in the color schemes and figurative designs of the various decorations of the handsome new lake steamship, *The Rochester*. The design and coloring of the Rochester Aster is being used as an important feature of the mural decorations of the new Temple Theatre, which, by the richness of its appointments, in many respects, will surpass any other playhouse between New York and Chicago.

The Premier of the Lavender Pink Asters

Petals are narrow, very long, and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl across each other in such magnificent disorder as to make the fluffiest Aster we have ever seen. In color it is a most exquisite shade of lavender-pink, being a happy medium between the color of Vick's Branching Pink and Semple's Pink. For a mid-season pink this Aster is without a rival. The plants are unusually vigorous and it is not uncommon to find one with a dozen long, strong, graceful stems, each crowned with flowers from four and a half to six inches in diameter. Packet, 25 cents; two for 40 cents.

Vick's Comet Asters

Vick's Mikado

The flowers of this beautiful white Aster are immense, measuring four and a half to five inches in diameter, with curled and twisted petals, resembling huge chrysanthemums, and are borne on long, stiff stems. The blooming season is most opportune, coming between the Extra Earlys and the late Branching sorts, thus enabling the Aster grower to have a fine display from mid-summer till heavy frosts. Plants grow from eighteen inches to two feet high.

Three colors—White, Rose, Pink "Rochester," each 25 cents.

The two Mikados—White and Rose, for 40 cents.

Three Mikados—Pink "Rochester," White, and Rose for 65 cents.

Hohenzollern

An Aster of the large-flowering, branching Comet type. Flowers four to six inches across. Two colors—rose and white. Packet, 20 cents; two for 35 cents.



VICK'S MIKADO PINK "ROCHESTER"

Empress Frederick

This superb variety grows from fifteen to eighteen inches high, bearing pure white flowers, from four to five inches across, of a perfect comet shape. The plant is very sturdy and vigorous in growth, making it an ideal sort for pot culture. Packet, 15 cents; two for 25 cents.

Giant Comet

A superb class, differing from others in its long, wavy, twisted florets, which are formed into a head three and one-half to four and one-half inches across. One of the most perfect of Asters, and should be included in every collection.

Separate colors, white, rose, crimson, light yellow, lilac and white, dark violet, rose and white, light blue, light blue and white, azure blue and white, white passing to light blue; the Bride, white passing to rose; any three for 25 cents; each 10

Mixed colors 10

Vick's Early Snowdrift

Is Certainly the Earliest Aster in Cultivation

Being a few days in advance of Queen of the Earlys. The leaves are narrow and sparse, and the branches spring from close to the ground. The entire energy of the plant seems given to the production of twelve to twenty long, slender, upright stems, crowned with immense feathery flowers. The long, recurved petals give the flowers an exceedingly graceful effect, heightened in many cases by the ragged, irregular character of the petals in the center of the flower. The type now is well established, the flowers all coming perfectly double. Packet, 20 cents; two for 35 cents

Am glad to say that seeds and plants arrived promptly and in good condition. Again thanking you for your courtesy, I am
Smithfield, W. Va. *Very truly,* B. R. LEWIS.

Vick's Violet King Aster

When we introduced this superior variety in 1906 we anticipated for it a foremost place in the Aster family, but we had no idea that it would become one of the most popular Asters in our long list of introductions. We were confident that it possessed numerous characteristics which would make it very popular with every lover of fine flowers, and its reception has gratified us even beyond our fondest hopes. Therefore with great pleasure we introduce to the public a companion to Vick's Violet King, and one we believe to be in every respect a worthy associate for that magnificent variety. We here present a photograph of both varieties,

Vick's Rose King Aster

Vick's
Rose
King

The
Two
Kings

Vick's
Violet
King



Vick's Violet King

The habit of Vick's Violet King is similar to the popular Vick's Branching, vigorous in growth, with long stiff stems, and luxuriant foliage of richest green. In form the flower is **entirely distinct**; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being fantastically twisted, curled and incurved, completely covering the crown. The bloom is round, full and very large, many of the flowers measuring from four to five inches in diameter.

Its color is a soft violet-lilac. It blooms so evenly, the flowers have such lasting qualities, and continue so late in the season, that it is a veritable garden gem. Vick's Violet King Aster is easily the peer of the grandest Chrysanthemum, with all the advantages in favor of the Aster, especially in its ease of culture, since no greenhouse is required, and its continuous and prolific blooming during the summer and early fall.

Packet, 15 cents; two for 25 cents.

Vick's Rose King

Companion to Vick's Violet King

This year we have another color in this class, Vick's Rose King, a particularly pleasing shade and one that goes well with its mate, Vick's Violet King. It is a brighter, more brilliant color than Rose Branching. It possesses all the characteristics of a good Aster; vigorous in habit, with stems frequently two feet in length, flowers large as saucers, crowns completely covered, a good keeping variety and unsurpassed for cutting. Petals are stiff and strong and do not show the effects of cutting until long after many other varieties would be completely wilted. Vick's Rose King will undoubtedly become as great a favorite with Aster growers as Violet King, which has won more prizes at fairs and flower carnivals than any other variety in the world.

Packet, 25 cents; two for 40 cents.

Vick's Early Upright

Two Colors, White and Lavender Pink

A new class of early-flowering Upright Asters which we believe will be warmly welcomed. For several years experiments have been made and stock selected for the purpose of developing an early variety characterized by vigorous habit, long stems and large flowers. We have watched it with considerable interest, and for the past two years have shown specimen flowers at the American Florists' Exposition at Niagara Falls and Cincinnati, where the flowers have been greatly admired. Plants of Vick's Early Upright grow compactly, and send forth long, straight, stiff flower stems which stand almost erect. Plants are vigorous, and although they possess considerable foliage, there are very few side shoots to sap the vitality of the flower stems. Each plant will yield from eight to twelve flowers. For an early variety the flowers are unusually large and have a solid, compact appearance. Crown is completely covered; petals are of medium length and give the flowers a decided ball-shaped appearance. There are two colors, white and lavender pink. The latter is a beautiful shade, very similar to Vick's Branching Pink. When the flower first opens it is almost white, but in full bloom the prevailing color is pink, shading to a decided lavender pink tint on the outer petals.

Each color, 25 cents a packet; two for 40 cents.

Vick's Late Upright White

Flowers similar in size and shape to Vick's Early Upright White, but the color is a clear white, and the flower is particularly useful for cutting. Blooms about the same time as Vick's Late Branching.

Packet, 15 cents; two for 25 cents.



VICK'S EARLY UPRIGHT

Vick's Royal Purple

A new strain of Vick's Late Branching Aster, growing about fifteen inches high. Its habit of growth is entirely distinct, the stems growing directly from the ground, and not on side shoots from the main stem like other varieties. A medium early bloomer, continuing in flower until late in the fall; in fact it holds its blooms longer than any other variety we know of. The flowers are large and full to the center; petals incurved and whorled about the center; color bright purple. We confidently recommend it, believing it will please our aster-loving friends. Packet, 20 cents; two for 35 cents.



How to Grow Asters

Their Culture and Care



A BOOKLET prompted by the questions asked by customers and others in reference to Aster culture. Not a scientific work, but *practical instructions* for the amateur as well as the florist. A summary of our experience in growing Asters from sowing the seed to maturity, including a chapter on *Aster Insects and Diseases and their remedies*. Contains much information of value to Aster growers. Price, 10 cents, or free with an order for 25 cents' worth of Vick's Aster seed.

VICK'S IMPERIAL ASTERS

Vick's Daybreak

This beautiful Aster is one of those rare gems that have come to stay; no private garden is complete without it and for florist's use it is unsurpassed. The flowers are round as a ball, very large and full, on long stems; the color a lovely sea-shell pink. The plant flowers very early, and is a continuous free bloomer, a compact strong grower, and in all respects a desirable addition.

Packet, 10 cents.

Vick's Sunset

A new color in the Imperial class, an extremely delicate shade of light pink, shading to a deep rich pink in the center, making a most charming addition to this valuable class, not only on account of the color, but the time of blooming, which is several days earlier than Daybreak. The habit of the plant is identical with Daybreak and Purity, while the magnificent globe-shaped flowers are borne on long stems, and in the greatest profusion.

Packet, 25 cents; two for 40 cents.

Imperial Lavender

Vick's Daybreak and Vick's Purity are known wherever good Asters are grown. Vick's Imperial Sunset and Vick's Imperial Sunrise are recent introductions. Our last, here offered for the first time, Vick's Imperial Lavender or Lavender Daybreak, is an extra fine flower of the Daybreak type, with a delicate lavender color. Packet, 25 cents; two for 40 cents.

Vick's Sunrise

This variety is a seedling from the popular and well-known Vick's Daybreak, but differs from the parent plant in both color and character of the flower. The flowers are about four inches in diameter and oval in form, each petal perfectly quilled and the most delicate pink color, a shade entirely new and distinct in the Aster family. The plant resembles the Daybreak, is a strong, robust grower, producing upright branches, each one of which is crowned with a magnificent flower. Vick's Sunrise was shown at many floral exhibitions the past season, and attracted a great deal of favorable attention on account of its clear pink color and the form of the petals. Professional and amateur growers united in pronouncing it a most desirable variety. We are able to offer it at a much lower price this year than in 1909, thus placing it within reach of everyone who desires to grow the highest quality Asters.

Packet, 25 cents; two for 40 cents.

Vick's Purity

is a fitting companion to Vick's Daybreak, being identical with it in form and habit, but the blooms are pure white. A finer combination of color cannot well be imagined than the massing together of these two beauties, either in bouquet groups or for decorative design. The plant is an early free bloomer, like its associate.

Packet, 15 cents; two for 25 cents.



VICK'S IMPERIAL SUNRISE

VICK'S IMPERIAL DAYBREAK



BRANCHING ASTER COLLECTION

White, Pink, Rose, Crimson, Purple, Dark
Violet, Lavender one packet each color,
50 cents, postpaid.



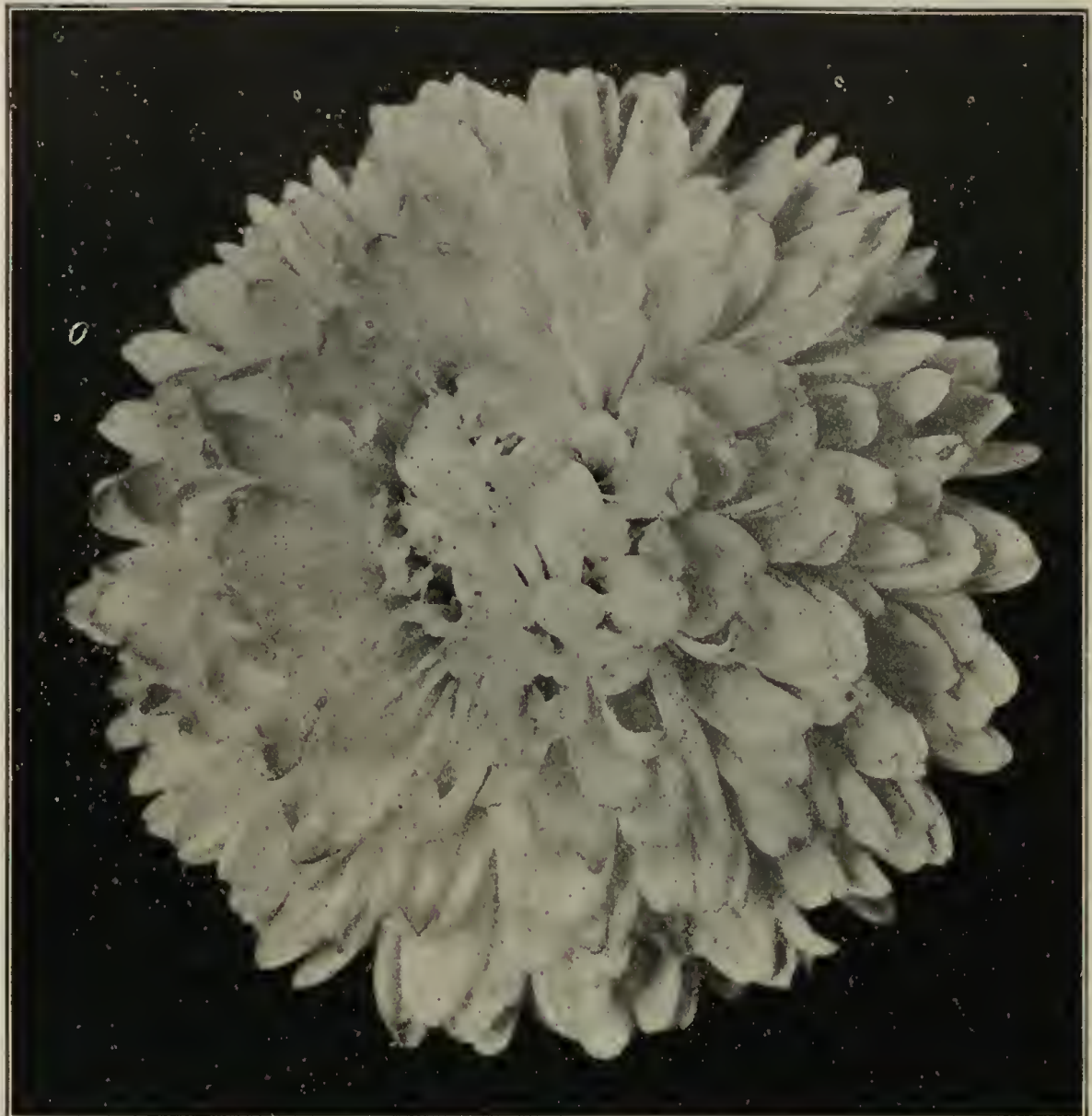
VICK'S BRANCHING ASTERS

Vick's Early Branching

To obtain all the good qualities of the Branching in an *early variety* was our aim and ambition for years, and at last we succeeded. In 1908 we offered for the first time an Early Branching Aster with all the good points of the Late Branching. **Vick's Early Branching Asters** are a distinct advance in the branching class, attaining the size and vigor of Vick's Late Branching, and coming into flower about two weeks earlier. The plants have but few branches, free from side buds, the whole strength of the plant being given to the development of the few very large and perfect flowers which are borne on extra long stems. We offer two colors only for this year.

Early Branching White.
packet, 15 cents; two for 25 cents.

Early Branching Rose,
packet, 15 cents; two for 25 cents.



VICK'S LATE BRANCHING ASTER

WE picked asters by the thousands and still had abundance at home. They certainly proved a blessing and a joy.

*Miss Elizabeth Johnson,
Franklinville, N. Y.*

Vick's Late Branching

This magnificent Aster still reigns supreme. It is as well known among European as American growers, and every up-to-date florist has a fine display in his show windows just before the Chrysanthemum comes in,—in fact it is often mistaken for the Chrysanthemum, which it very much resembles. It begins blooming about August 15th and continues throughout the season. The flowers are of extraordinary size, and are borne on long, graceful stems from fifteen to twenty inches in length. The plants are extra large and of strong growth, one plant often covering a space of two and one-half feet square. It is unexcelled for cutting, and is by far the most satisfactory late Aster grown. The time of blooming can of course be regulated to some extent by sowing the seed in the house in March or April.

Snowy-White, Pink, Rose, Crimson, Purple, Dark Violet, Lavender, each 10
One packet each of the seven colors for 50
Above colors mixed 10

Vick's Branching Rosy Carmine

This distinct color in the Branching Aster family possesses all the good qualities of its parent. In our opinion, it is one of the best colors for cutting we have ever introduced. The time of blooming is close to that of the other Branching Asters, while the size and beauty of the flower fully sustains the high reputation of the family. A vase on the table will light up the whole surroundings, or in a window will attract the attention of every lover of a beautiful flower. **Packet, 25 cents. Two for 40 cents**

Semple's Pink Branching

The flowers are very large and the color is an exquisite shade of light pink. Stems long and stiff. **Packet, 10 cents.**

Branching Aster Collection — White, Pink, Rose, Crimson, Purple, Dark Violet, Lavender, 1 packet each color, 50 cts., postpaid.



**VICK'S
LAVENDER
GEM**

**VICK'S
LAVENDER GEM**

When first open the flower is an exquisite lavender, deepening with age. The flower is always full double, showing no tendency to produce single or semi-double blooms. The fluffy effect of the Ostrich-feathered type, to which it belongs, is enhanced by the fact that it bears a large proportion of long, partly tubular florets, that are irregularly cut and slashed, so that the flower looks like a ragged Chrysanthemum. The plant is erect and of medium height, branching close to the ground. The flowers are borne in profusion on long slender, wiry stems. In season it comes between Queen of the Earlies and Vick's Daybreak, and is therefore classed with the early sorts. To the florist the value of Vick's Lavender Gem can scarcely be over-estimated. Packet, 20 cents; two for 35 cents.

Vick's Cardinal

The best bedding Aster ever introduced. The coloring of this Aster is entirely distinct from any other Aster on the market today; in fact it possesses a striking color of its own. Cardinal is the nearest we can come to it. This variety is particularly adapted for bedding, owing to its free blooming qualities, and brilliant coloring. When massed in a bed, its deep vivid cardinal color is as striking as the brilliant scarlet *Salvia*. Vick's Cardinal begins blooming the first to middle of August, retaining its brilliant coloring and full, well-developed flowers until late in the fall. Packet, 25 cents; two for 40 cents.

- BALL OR JEWEL**
A beautiful class, selected from the well-known Peony Perfection race, somewhat dwarfier in habit than the latter, with shorter florets; flowers round as a ball. Mixed 10
- BOLTZE'S DWARF BOUQUET**
Each plant looks like a bouquet of flowers. Fine for edgings or small beds. About twelve different colors mixed 10
- CHRYSANTHEMUM-FLOWERED**
A desirable class, one foot high. Late, and valuable on this account, as well as for its great beauty. Mixed colors, or white, rose, fiery scarlet, light blue, each 10
- COCARDEAU, OR CROWN**
Two-colored blooms, the central florets pure white, sometimes small and quilled, surrounded with large flat florets of a bright color. Plant eighteen inches high. Mixed colors 10
- LADY ASTER**
The distinguishing features of this Aster are its profusion of bloom and the distinctness of its foliage. The leaves are long and narrow, light green in color. The plant is light and graceful in habit, and bears from forty to sixty buds, which develop gradually, affording a prolonged season of bloom. The small flowers are very double, semi-globular, about an inch and a half in diameter, produced on slender stiff stems, and are excellent for floral design work. Mixed colors 10
- LARGE-FLOWERED ROSE**
One of the very best. Two feet in height; robust. Flowers large, finely imbricated, and of great substance. Mixed colors 10
- OSTRICH PLUME**
A class with pure white and rose-colored flowers similar to Giant Comet, but with longer petals and the plants more free-blooming. Each color . . . 10
- QUILLED GERMAN**
A showy class, from one and a half to two feet high, with quilled flowers and branching habit. Mixed colors 5
- QUEEN OF THE EARLIES, or Earliest Paris**
An improved strain of our own growing; fully three weeks earlier than any other variety. Should be cultivated by every up-to-date grower . . . 10

QUEEN OF THE MARKET

This variety is two weeks earlier than most other sorts. Plants dwarf and branching; flowers quite double; valuable for cutting. White, flesh, light-rose, rose, crimson, light blue, dark blue, and all colors mixed; each 10

TRUFFAUT'S PEONY-FLOWERED PERFECTION

A standard Aster, two feet in height, blooming very freely; the flowers are large, very double, peony-like, the florets mostly incurved. The colors range from pure white to light blue, violet, crimson, rose, and scarlet, each 10
Amethyst. A superb new color in the Peony-flowered race. Flowers white at first, changing with age to a beautiful amethyst. 10
 Mixed colors 10

VICTORIA

One of the finest. Two feet high; habit pyramidal; flowers large; having with one or two exceptions, the greatest range of colors of any of the Asters.
 White. Peach-blossom. Crimson. Light Blue.
 Light Yellow. Rose and White. Dark Crimson. Dark Blue and White
 Apple-blossom. Carmine Rose. Dark Scarlet. Violet.
 One packet each of the above twelve varieties 85 cts.
 Separate colors, each 10
 Mixed colors 10

DWARF VICTORIA

The finest class of Half-Dwarf Asters, and the best for pots. For size, color, and profusion of bloom it is unsurpassed. Mixed colors, or dark scarlet, white, rose, dark crimson, light blue, rosy lilac, apple-blossom, peach-blossom; each 10

MIXED ASTERS

Tall varieties mixed, ounce, \$1.50 5
 Dwarf varieties mixed, ounce, \$1.50 5

AGERATUM

The Ageratum is interesting on account of its neat, bushy habit, and its pretty, brush-like flowers, which are produced in clusters constantly all through the summer. Seeds may be sown in a mellow seedbed in the open ground, or under glass early in the season. Annual.

- Grandiflorum album.** A large flowering pure white variety. The plant is of medium height and vigorous growth, and has luxuriant green foliage, above which the relatively large flowers of beautiful shape are gracefully upheld by long stalks 5
- Conspicuum.** Fine white, 18 inches 5
- Lasseauxii.** Compact plant; flowers pink; 18 inches 5
- Snowley Blue.** A fine, large-flowering dwarf variety; flowers deep blue. Ounce, 30 cents 5
- Little Dorrit.** Six inches high and one foot through, covered with a mass of azure blue flowers 5
- Little Dorrit White.** Same as above, except in color of flower 5
- Blue Perfection.** A new and splendid dwarf dark blue bedding variety, the darkest of all blue Ageratums that can be grown from seed 5
- Princess Victoria Louise.** A beautiful Tom Thumb variety, differing from all others by its beautifully colored flowers, bright blue with white center, the contrast being really exquisite 5
- Mixed varieties.** Ounce, 30 cents 5

ANTIRRHINUM Snapdragon

These showy, half-hardy perennials are usually treated as annuals. They grow two to three feet high, and are covered with bloom. They are easily raised from seed sown early in spring in warm dry soil. If the plants are not weakened by blooming too much the first year, they will stand over winter. In poor dry soil they bloom best and last longest. To produce good flowering branches for the second season, cut back a number of the branches in mid-summer about one-half or two-thirds; then new shoots will start out, which will be ready to bloom the following season.

- New Giant-Flowered.** Fine flowers, double the size of ordinary sorts, of a rich velvety texture.
- Bright Crimson; Brilliant; Chamois; Deep Scarlet; Firefly; Galathe; Yellow; Rose; Striped; White;** ounce, 70 cents; each . 10
- One packet each of the above ten varieties for 75 cents.
- Extra Fine Giant-flowered Mixed;** ounce, 70 cents; each 10
- Fine Mixed;** Ounce, 50 cents; each 5
- Queen Victoria.** Very large, pure white, superb 10
- Tom Thumb.** Very pretty dwarf plants, about six inches high, and of the usual colors described above. Mixed colors 5

AMARANTUS

These are plants which are striking on account of their foliage or peculiar mode of bloom. In rich ground the plants and leaves are of large size, but the coloring is apt to be less bright. The seed can be sown in the house, in a hotbed, a cold-frame, or in a seedbed in the garden, and the plants transplanted into place; or the seeds can be sown where the plants are to stand, if the soil is fine and the spots protected. They should be given sufficient space to develop on all sides. Fine in borders of tall plants, or for center of large beds. Annual.

- Atropurpureus.** A fine variety with blood-red foliage and racemes of flowers in erect masses. 5
- Caudatus (Love Lies Bleeding.)** Long-drooping "chains" of flowers. Pretty for decorating. Three feet high 5
- Hendri.** Foliage beautifully variegated. Two feet 5
- Tricolor (Joseph's Coat).** Red, yellow, and green foliage. Two feet 5

- Sunrise.** The most brilliantly colored of the Amaranthus family, the lower leaves dark maroon, while the top of the plant is a glowing crimson-scarlet. The plant grows about four feet high, and takes on its most striking colors about the first of August. Seed may be sown outdoors where the plants are wanted, and plants should be thinned about a foot apart. A striking and ornamental plant when placed in front of shrubbery 10
- All varieties mixed** 5



SWEET ALYSSUM

ALYSSUM

These small white flowers are delicately fragrant and valuable for cutting. It is a good basket and pot plant, and valuable for carpet bedding. In the border sow thickly, so as to make a mass. It is desirable to sow the seeds early in spring, or even in the previous autumn. To prepare a basket for winter blooming, sow the seeds about the last of August. If the plants come up thickly, thin them out; a dozen plants are enough for a good-sized basket. When out of bloom cut back, and they will produce another crop of flowers.

- Sweet.** Hardy annual. Flowers small and sweet. Ounce, 25 cents 5
- Benthami compactum (Little Gem).** A dwarf, compact, annual variety, not over six inches high, bearing its pure white fragrant flowers in the greatest profusion during the entire summer. Ounce, 70 cents 5
- Carpet of Snow.** Only two or three inches high. A profuse bloomer, showing as many as 300 heads of snow-white flowers at one time on one plant. Annual 10
- Saxatile compactum.** Perennial, ten inches high, compact habit, golden yellow flowers. The popular name is Gold Dust 5

AQUILEGIA

Aquilegias are probably known better as Columbines. Thrive well with ordinary garden culture, but are quite at home under the spray of a fountain or by the water side. The plants are perfectly hardy and form large clumps from one to two feet in diameter, and produce a large number of flowers early in spring. Seeds may be sown in open ground. Plants can be increased by division of root. Perennial.

- Canadensis.** Our native scarlet and yellow Columbine 5
- Carnation or Striped.** White, with red stripes; double. Eighteen inches . 10
- Chrysantha.** A beautiful, large-flowered, canary-yellow variety. Excellent. Three feet 5
- Skinneri.** Very beautiful. Colors scarlet and yellow. Two feet 10
- Cœrulea.** (Rocky Mountain Columbine). Flowers large; sky-blue and white. Superb 10
- Glandulosa (major).** Dark blue, very fine 5
- Glandulosa vera.** Large, erect, dark blue flowers; pure white corolla. . 10
- New Large-Flowering Hybrids.** Large yellow, with orange spurs . . 10
- Sulphur yellow, with blue spurs 10
- Nivca grandiflora.** Large white, semi-double flowers 5
- Mixed varieties,** single or double, each 5

ADONIS—Pheasant's Eye

Æstivalis. Flos Adonis, or Pheasant's Eye, has finely-cut foliage and brilliant scarlet flowers. It will do well in partial shade, and may be used to advantage in any corner of the garden. Twelve to eighteen inches in height. It blooms in early summer. Annual. 5
Vernalis. A handsome perennial border plant, about a foot in height. Prefers a light soil. Flowers yellow 5

ALLEGHENY VINE

Adlumia cirrhosa. Sometimes called Wood Fringe, Mountain Fringe, or Climbing Fumitory. This graceful hardy climber deserves a place in every garden. Its delicate feathery foliage somewhat resembles that of the Maiden-Hair Fern, and its panicles of drooping flesh-colored flowers completely cover the plant. For covering trellises, tree stumps, etc., it is very desirable. It is biennial, but re-sows itself, and when once established will remain for years. Sow seed in the spring, in a cool damp place, and transplant in autumn. 10

ASPERULA

Azurea setosa. A charming, profuse blooming hardy little annual, bearing clusters of fragrant sky-blue flowers, admirably adapted for bouquet-making. One foot 5
Odorata. A perennial of delightful fragrance; it is the Mayflower of the Germans, being used in their Maitrank or May wine. The flowers are pure white, and the whole plant is often dried and preserved for its perfume. If kept among clothes it imparts an agreeable odor to them. Six inches. 5

BALSAM

The garden Balsam, or Lady's Slipper, is one of the most beautiful and most popular of our tender annuals. The seed should be sown in the house, or in a warm, sheltered spot in light soil in the garden, after the ground has become warm. When plants are an inch or two high, transplant the seedlings four or five inches apart, so that they may have light and air on all sides, and by the time they are about four inches high transplant to their permanent place. Set the plants at least a foot apart, in well enriched soil. Two feet high.

- Improved Camellia-flowered, New White Perfection 10
- Improved Camellia-flowered. The flowers are very large, and extra double. A superb strain. Mixed colors 10
- Camellia-flowered Deep Blood Red. Very double. Extra fine 10
- Camellia-flowered White. Double 10
- Camellia-flowered Spotted. Very double flower, spotted with white. Mixed colors 10
- Camellia or Rose-flowered. Very double. Perfect form. Mixed colors 10
- Carnation. Double; striped like the Carnation 10
- Solferino. White, striped and spotted with red 10
- Common Double. Occasionally only semi-double. Ounce 50 cents 5

This set of four,—Camellia-flowered White, Deep Blood Red, Spotted, and Carnation Striped,—for 30 cents.

CHRYSANTHEMUMS

The glorious and showy autumn-blooming Chrysanthemums, so much admired and cultivated, have their relatives among summer annuals, which are easily raised from seed. They are free-blooming, showy border plants, and the flowers are very desirable for cutting. Seeds can be sown in the open seedbed, or where the plants are to stand, provided the plants are thinned out to eight or twelve inches apart. A little shade, or shade in the after part of the day, is desirable for them. Pinch them back until July 15th, to make them grow branching and stocky.

ANNUAL VARIETIES

- Golden Feather. Plants semi-dwarf, with yellow foliage. Mixed colors 5
- Single varieties. Mixed colors 5
- Double White, Double Yellow, and Double Mixed, each 5

PERENNIAL VARIETIES

Seed of Perennial Chrysanthemums should be sown in February or March, in the house. If slightly covered, and placed in a warm temperature, they will soon germinate. If the seedlings are pricked off at once into pots and placed near the glass, good plants will soon be obtained. By the middle of May they may be planted out of doors. For after treatment see Plant Department.
Marguerite, or Paris Daisy. Elegant bushy plant, one to two feet high. Blooms all summer in the garden, and fine for winter flowering. Flowers white, star-shaped 10
 Greenhouse varieties. Mixed seeds selected from a choice collection 25

BALLOON VINE—Cardiospermum. Love-in-a-Puff. A rapid-growing summer climber, with small white flowers, followed by curious inflated seed-vessels. Sometimes grown in pots on verandas, etc. Annual 5

BRACHYCOME—Swan River Daisy. A charming flower in white and blue varieties. Fine for cutting, and the neat slender foliage is well adapted for bouquet making. The plants grow about twelve inches in height and bloom freely. Blue, white, or mixed, each 5



CALLIOPSIS

Plants about two feet in height, of slender growth, and should be given plenty of room to spread. The flowers are of various shades of yellow and orange, variegated with rich velvety crimson or maroon. These graceful flowers are excellent for bouquets, their warm and brilliant tints harmonizing well with all other colors. The seed grows very readily, and may be sown where the plants are to flower. Annual.

- Coronata*. Plants compact and of a bright rich green. Blooms early and continues until late fall. Flowers golden yellow, about the size of a silver dollar 5
- Drummondii* (Golden Wave). Plants bushy, compact, covered with rich golden yellow flowers, chestnut-brown center 5
- Dwarf Varieties Mixed 5
- Tall Varieties Mixed 5

TOM THUMB VARIETIES.

- The Tom Thumb varieties are admirable for edgings or pots.
- Golden King. Fine for cutting. 5
- Bicolor. Yellow, dark brown center 5
- Atrosanguinea. Dark crimson 5
- Tom Thumb Varieties Mixed 5

COREOPSIS

Grandiflora. One of the best hardy perennials. Very free-flowering. The large, showy, golden yellow flowers are borne on long stems, and will last a week or more when cut, making them very desirable for that purpose. Will grow anywhere. Two to three feet 10
Lanceolata. Similar to the above. Used extensively for cut flowers 10

CANNA

The Cannas are perennials, but will bloom the first year if seed be sown early. Seeds should be soaked for twenty-four hours in warm water before sowing.

- Crozy's New Hybrids.** These Cannas are the most gorgeous bedding plants we have. Most of them are dwarf in habit, early bloomers, and remarkable both for beauty and size of flower and foliage. If seeds be sown before April in hotbed or greenhouse, the plants will bloom in July, and continue until frost. These plants may be potted in the fall and kept blooming through the winter, or the roots may be taken up in late fall and kept like Dahlias and re-planted the following spring. Mixed varieties: ounce, 50 cents; each 10
- Madame Crozy*. Brilliant vermilion-scarlet, bordered with deep golden yellow 10
- Alphonse Bouvier*. Brilliant crimson, foliage green 10
- President Faivre*. Fine dwarf, dark-leaved variety 10
- Queen Charlotte*. Crimson-scarlet, bordered with gold. 10
- Jules Cretien*. Yellow, splashed with orange. 10
- Mixed Tall Varieties of the old types. Among these are many fine colors not represented in the newer sorts. Ounce, 30 cents 5
- Dark-leaved varieties mixed, ounce 40 cents 10

BARTONIA AUREA—Golden Barton. Its large and exceedingly brilliant glossy yellow blossoms are borne well above its gray thistle-like foliage, and are produced in great profusion all summer, and remain in perfection until destroyed by severe frost in autumn. Light frosts do not affect it. Fine for masses or as single plants in borders. Seed should be sown where the plants are to stand, as they do not bear transplanting. Annual. Two feet 5

At these prices we prepay Postage or Express charges unless otherwise noted.

CAMPANULA (BELL FLOWER)

The well-known popular, large bell-shaped flower, known everywhere as Canterbury Bell, is a biennial Campanula. There are double varieties of every color, but, though curious, they are not really as beautiful as the old single bell; they lose that light transparent grace that is so attractive in a flower.

- Medium (Canterbury Bell). Flowers large. Plants two feet high. Biennial.
- Single varieties mixed 5
 - Double varieties mixed 5
 - Calycanthema (Cup and Saucer.) Beautiful flowers, three inches long, saucer three inches across. Plants form pyramids of bloom about two feet high, and frequently bear 150 blossoms for weeks during the early summer. 5
 - Carpatica. Hardy perennial, six inches high, blooming the whole season. White and blue, mixed 5
 - Pyramidalis. A grand hardy perennial species, known as the Chimney Bellflower. Plants three feet high, of pyramidal form, bearing hundreds of beautiful cup-shaped flowers. Suitable for the garden or pots. Blue and white, mixed 5
 - Grandiflora (Platyodon). Hardy perennial, producing large broad bell-shaped, showy, deep blue flowers, during the whole season. Very desirable for planting in permanent borders or among shrubbery. . . . 10

CANDYTUFT

Candytufts have long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, the seeds being sown where the plants are to bloom. Sow in rows six to eight inches apart, and thin out the plants so that those remaining will have plenty of room. The soil should be rich and when blooming time comes keep the plants well watered, especially if it be a dry time.

- Purple, White Rocket, Sweet-scented, Flesh, Extra Dark Crimson, each, ounce, 30 cents. 5
- New Carmine. True to color 10
- One packet each of the above six varieties for 25 cents.
- Mixed colors of above six varieties, ounce, 20 cents 5
- Empress. A pure white variety, of large size, and the finest in cultivation. Strong, free grower, producing large trusses of flowers, on candelabra-formed branches; individual flowers of large size. After devoting several years to selecting and saving seed from only the most perfect flowers, we have succeeded in procuring an extra fine strain of this grand variety. Ounce, 50 cents 10
- Dwarf Hybrids. Six inches high, bloom the entire season, fine for edgings. Mixed colors 10

CANDYTUFT, HARDY

- Handsome, hardy perennial plants, well adapted for permanent borders or clumps. Valuable for early decorating.
- Iberis sempervirens. White, one foot. 10
 - Gibraltarica. Large, showy flowers; lilac, shading to white. One to two feet in height 10

COCKSCOMB (CELOSIA)

Celosias are interesting and brilliant annuals, and when well grown from seed of good quality never fail to please the grower and attract attention. There are two desirable forms of the Celosia, the Cockscomb and the Feathered. There are several colors, red, orange, and yellow, but the bright reds are the best. These combs are often grown a foot or more across the top.

COCKSCOMB.

- Crimson Giant. One of the largest and brightest Cockscombs. 10
- Glasgow Prize. Fine dwarf. Dark leaves and crimson comb 10
- All-a-Glow. A magnificent large-headed dwarf Cockscomb. Ruffled combs, scarlet edged, with depths of glowing orange-scarlet 25
- Dwarf varieties mixed 10
- Tall varieties mixed 5

FEATHERED CELOSIA

- The Feathered Celosias have feathery plumes of great size and beauty. The following are the best of this class in cultivation, and come true from seed.
- Superba plumosa. Superb feathered, bright crimson 5
 - Thompson's Superb Feathered. Splendid. One of the best of the late introductions 10
 - Golden Plume. Bright golden yellow. Habit pyramidal 5
 - Mixed colors 5

CATCHFLY. Silene Armeria. A bright-colored, free-flowering annual, grown largely for spring flower-gardening. Suitable for rock-work or open border. Succeeds in a light, loamy soil. Red, white, and rose, mixed. 5



NEW GIANT-FLOWERING COSMOS LADY LENOX

COSMOS

A strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in the house or hotbed in March or early in April, and the young seedlings transplanted to the open ground as soon as the weather is warm, will produce plants three to five feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across. The flowers are of various shades from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. Annual.

Mammoth Perfection. A vast improvement over the old sort; flowers double the size, the petals being broader and overlapping, forming a perfectly round flower. Fine for cutting for bouquets and vases, keeping several days in water, and lasting out doors until cut down by frosts. The foliage is one mass of feathery emerald green. If grown in pots and housed by the end of September, they will flower all winter. Pure White, Pink, Crimson, each 10

Mammoth Perfection Mixed. 10 Fine Mixed 5

Dawn, Early Dwarf, Large-Flowering. More bushy and compact than the other varieties, and grows only about four feet, while all others attain a height of six to seven feet. The flowers are fully as large as those of the old sort, pure white, with a tinge of rose. They commence to bloom in July and last until frost 10

Giant-Flowering Lady Lenox. This gigantic Cosmos is six to seven inches in diameter. Color shell pink, lighting up beautifully at night. When cut and placed in water it lasts a long time. Plants strong and vigorous, growing six to seven feet high 10

COBOEA SCANDENS

One of the most beautiful annual climbers, of rapid growth, with fine foliage; flowers bell-shaped, almost 1½ inches across and two inches long. In good soil the stems often grow twenty or thirty feet long and cover a large surface. Plants begin flowering when quite young. Put the seed in barely moist earth edge down, and merely cover with light soil. Do not water until the plants appear, unless the soil is very dry.

Purple 10 White 10

CYPRESS VINE

Ipomœa Quamoclit. This delicate and symmetrical climber, with its dark green feathery foliage, is one of the most graceful and beautiful of garden vines. For training upon a light trellis it is unexcelled. Its scarlet or white flowers are produced in profusion, and its finely-cut foliage is well adapted to ornamental work. When plants are set in rich soil, where they are to grow, they will reach a height of ten feet; or, if planted thick, they will soon make a screen of the most exquisite foliage and flowers. Soak the seeds over night in warm water before sowing. Scarlet, White, or mixed, each, per ounce, 25 cents. 5

CENTAUREA

The following Centaureas are perfectly hardy annuals, of easy culture, and are general favorites both for the garden and for cut-flowers. Seed should be sown early where plants are desired to bloom. Plants should stand one foot or more apart each way.

- Cyanus** (Bachelor's Button, Corn Bottle, and Ragged Sailor, known in Germany as the Kaiser Blumen and Corn Flower). Blooms in almost any situation. Eighteen inches to two feet. Various colors mixed, ounce, 25 cents 5
- Emperor William**. Fine dark blue. 5
- Pure White** 5
- Victoria Dwarf Compact**. A charming miniature variety. Fine for pots and edgings 10
- Americana**. Lilac-purple. The largest flowering of the Centaureas. Plants two feet high. Flowers sometimes four inches in diameter; handsome 10
- Suaevoleus**. (Yellow Sweet Sultan). Bright sulphur yellow; very fragrant. Blooms all summer. Splendid for bouquets. Eighteen inches 5



LARGE-FLOWERING SWEET SULTANS

LARGE-FLOWERING SWEET SULTANS

These mammoth varieties are great improvements on the old Sweet Sultans. They are as easily cultivated, and succeed everywhere. The flowers are two to four inches across, of graceful form, and of the sweetest fragrance. Being on long, stiff stems, they are admirably adapted for bouquets, vases, etc. They will keep in good condition a week after being cut.

- Imperialis**. A strain of Giant-flowering Sweet Sultan; the finest of all for cut flowers. Blooms continuously from summer till autumn. The flowers are of various colors, from glistening white, through shades of pink, lilac, crimson, and violet, to purple. Very fragrant. Plant vigorous, nearly four feet high, and covered with enormous flowers on very long stems. Mixed colors, ounce, \$1.00 10
- Odorata**. Light blue. Two feet in height. 10
- Chameleon**. Sulphur-yellow, changing to creamy white, and again to pink. Two feet 10
- Margueritæ**. Pure satin white. Two feet 10

SILVER-LEAVED CENTAUREAS—DUSTY MILLERS.

These are white-leaved perennial varieties, much used for ribbon-borders and edgings of beds, not being allowed to bloom. Succeed anywhere.

- Candidissima**. Entire plant silvery-white. Leaves much divided. Flowers purple, ounce 25 cents 10
- Clementei**. Entire plant densely white-woolly. Leaves broadly cut. Flowers yellow. 10
- Gymnocarpa**. Whole plant velvety-white. Leaves silver-gray, finely divided. Flowers rose-violet. 10

ESCHSCHOLTZIA

California Poppy. This is California's chosen State Flower. The plants grow to about a foot in height; the leaves are of a grayish green color, finely cut and divided. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom.

- Cross of Malta**. Foliage silver-gray; flowers bright yellow, with a broad, dark orange cross in the shape of the Cross of Malta. 5
- Mandarin**. Inner side of petals a rich orange, the outside scarlet-orange 5
- Golden West**. A beautiful variety; color light orange-yellow 10
- California canaliculata rosea**. A beautiful novelty. The rosy petals are delicately fluted with tiny folds radiating from the center, and richly adorned with a soft primrose-yellow hue 10
- Rose Cardinal**. A charming variety, producing freely large intense carmine flowers 10

One packet each of the three finest varieties, Golden West, California canaliculata rosea, and Rose Cardinal, 25 cents.

- Orange, Yellow, and White, single, separate colors, each 5
- Single varieties mixed 5
- Double Orange, and Double White, each 5
- Double varieties mixed 5

Eschscholtzia
California
Poppy



REMEMBER We pay the Postage or Express Charges on all Seeds, unless otherwise noted. Most seedsmen require YOU to pay these items.

DIANTHUS OR GARDEN PINKS

Chinese and Japanese Pinks

The varieties of Dianthus known as Chinese Pinks and Japanese Pinks are among the most brilliant of our garden flowers, and are worthy of particular care. The plants are from twelve to fifteen inches in height. Seeds can be sown under glass in the spring, or in an open, sheltered bed. The young plants are easily transplanted, and should be set from eight to twelve inches apart. Bloom the first summer, and also the second if the flowers are freely picked during the season, and the plants are protected in the winter.

CHINESE OR INDIAN PINK.

Best double varieties mixed, ounce, 50 cents 5

DOUBLE IMPERIAL PINK.

White and Red Striped; White and Purple Striped; Blood Red; White; each 5
Set of Four for 15 cents.
All Colors mixed 5

HEDDEWIGII—Single.

A beautiful strain of Japan Pink. The flowers are large and exquisitely colored in pink, rose, purple, maroon, and white, with occasional patterns of black and white; the petals finely fringed.
Crimson Belle. Brilliant dark red; very handsome 5
Eastern Queen. An exquisite rose color 5
All Colors mixed 5

HEDDEWIGII—Double.

The rich color patterns are similar to those of the single varieties, but the flowers are very double.
Mourning Cloak. Rich blackish crimson, tipped and fringed with snowy-white. Large and handsome 5
White. Large double flowers 5
Diadem Pink. One of the most marked of the Heddewigii varieties. Brilliant markings and dazzling colors. Mixed 5
All Colors mixed 5

LACINIATUS.

Flowers deeply fringed, both single and double, and of very choice colors.
Salmon Queen. A very distinct tint; the most brilliant salmon color imaginable, changing into a rosy salmon. Single and double mixed 10
Sanguineus, blood-red 5
Single, all Colors mixed 5
Double, all Colors mixed 5
Heddewigii and Laciniatus, both double and single, mixed 5

Special Mixture of above Annual Varieties 5 cents

There is Health and Pleasure in making a Garden. The mild spring air puts the blush on the cheek; the early salad plants satisfy the longing for green foods; and the pleasure of growing your own vegetables discounts the slight labor involved.



LARGE-FLOWERING MARGUERITE

PERPETUAL-FLOWERING CARNATIONS.

Marguerite, Early-Flowering. This class excels in all respects. It is the most profuse bloomer of any of the "Pinks." Exquisite in color, showing beautiful shades in white, red, pink, variegated, etc. Large size, perfect form, dwarf habit, compact and robust; flowers in a few weeks from seed. Plants can be potted and taken into the house

and will flower abundantly throughout the winter.
White, nearly true from seed. Extra fine 10
Mixed varieties, extra fine 10
New Giant Large-Flowering Marguerite or Malmaison. A new large-flowering strain, same as above Marguerites, but with flowers much larger.
Pure Yellow 25
Yellow Ground varieties 25
Mixed Varieties, splendid 25

HARDY PINKS

All of these varieties have large, brilliantly colored, and handsomely marked flowers. The plants are of easy culture, blooming freely and for a long time.
Dianthus plumarius, (Pheasant's Eye, or June Pink, sometimes called Grass Pink). Fine for massing. Closely related to the Carnation, but smaller flowers and more hardy. Flowers beautiful and fragrant. Perennial. Plants are hardy until they become old. It is best to keep a few young plants coming on. Single varieties mixed 5
Plumarius, Pheasant's Eye, or June Pink. Double 10
Cyclops Pink. New variety of Scotch Pink, producing an entirely new series of colors of exquisite beauty, enlivened by a large eye of velvety blood red. Has a sweet clove-like perfume. Single 10
Semperflorens. Florist's Perpetual Pink. Very sweet-scented, double and single flowers. Great diversity of colors 25

CARNATION PINK

Seed may be sown under glass in the spring, or in the open ground, and the second summer the plants will flower. A succession of young plants should be procured, either from seeds or from layers, every year. Perennial.

Early - Flowering Dwarf Vienna. An excellent class for borders and other outdoor uses. Fine mixed 15
Pure White. Very fine 15
Earliest French. (Chabaud Carnation.) Combines the perfection of flowers of the perpetuals with the earliness of the Marguerite 25
Grenadin. Double scarlet. Dwarf and compact. Early 15
Extra Choice German Seed. Mixed varieties 20
Choicest, Picotee, with white ground 50
Choicest, Picotee, with yellow ground 50
Extra Italian Seed, saved from prize flowers only 50

CALENDULA (Pot Marigold)

The well-known Pot Marigold, valued for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round, and make a fine show in the flower-garden. Seeds can be sown in early spring in open ground. Hardy annual. About one foot in height.
Double Sulphur. Flowers very large and double. Color light lemon-yellow 5
Meteor. Handsome, double, and beautifully striped, the petals having a creamy center edged with orange-yellow 5
Orange Giant. The finest large-flowered orange. Very double 5
Pure Gold. Flowers golden yellow, extra large and very double 5
Prince of Orange. Fine orange. Double 5
Mixed Varieties 5

DATURA

Large, strong-growing plants, with large, trumpet-shaped flowers. Roots can be preserved in the cellar like Dahlias. Three feet in height.
Wrightii. The best single variety; white, tinged with lilac, sweet-scented 5
Double varieties mixed 5

DOUBLE DAISY

Sow the seed very early. The flowers are abundant in early spring, and may be continued later by the use of water. Plants can be removed safely even when in flower. Set about six inches apart in a cool border. Perennial.
Best German Seed, mixed colors 10
White. Constant 10
Longfellow. Large, rose-colored flowers. 10
Snowball. Of all Daisies grown from seed this is decidedly the best. Unusually large, perfectly double and pure white, having long stiff stems 15

THE GOURD FAMILY

The following plants are prized for their rapid growth and their odd-shaped and highly-colored fruits. They are very useful for covering arbors, old fences, stumps, etc.

- Dish-rag, or Sponge. When ripe the inside resembles fibrous cloth, and is used for bathing, scouring, etc. 5
- Balsam Apple and Balsam Pear have ornamental foliage. When ripe the golden yellow fruit opens, displaying the carmine interior. Each . . . 5
- Benincasa cerifera. Pretty wax gourd 5
- Serpent Gourd 5
- Abobra viridiflora. Beautiful climber, with delicate foliage, and oval, scarlet fruit. 5
- Bryonopsis laciniosa. Foliage elegant; fruit scarlet, striped with white . . . 5
- Cucumis odoratissimus. Fruit orange-yellow, fragrant 5
- Coccinea Indica. Handsome, glossy foliage, and scarlet fruit 5
- Wild Cucumber.** Echinocystis lobata. A fast-growing climber, running 30 feet in a season. White fragrant flowers, prickly seed pods. . . . 5
- Momordica Elaterium. Squirting Cucumber 5

One packet of each of the above eleven varieties for 40 cents.

The following are some of the most valuable of the common varieties. The fruits, when allowed to ripen, can be kept for years.

- | | |
|---------------------------------------------------------|---------------------------------------------------------------|
| Hercules' Club. Large, long, club-shaped 5 | Orange. The well-known Mock Orange 5 |
| Pear-formed. Yellow and green cream striped 5 | Striped Apple. Small, yellow, beautifully striped 5 |
| Gooseberry. Small, bright green 5 | Catlabash. The old-fashioned Dipper Gourd 5 |
| Egg-formed. Nest Egg Gourd 5 | Sugar-Trough, or Sap-bucket 5 |
- One packet of each of the above eight varieties for 30 cents.
- Mixed**, per ounce, 30 cents 5

HOLLYHOCK

In situations suitable for tall flowers we know of nothing better than the Hollyhock; and yet the improved varieties do not grow very high—from four to six feet being about the range. New plants are obtained from seed and by dividing the roots. Seeds sown in the summer will give plants that will endure winter. The plants may be protected during the winter with a little straw and evergreen boughs, or leaves. Biennial. See also Plant Department.

- Hollyhock, Double. Very double and fine, from the best named collection in Europe, ounce, \$1.25 10
- New Fringed Mammoth Allegheny. This grand new flower is a decided improvement on the old-fashioned single Hollyhock. Flowers are single, semi-double, and double, fringed, seldom less than five inches and often seven inches across. Perpetual bloomer. Has from two to four buds where the old style has only one. All colors mixed. 10

GYPSOPHIA

Gypsophilas are valuable for bouquet making, either green or dried. They are very graceful, and easily cultivated. Should be in every garden. All flower the first season. G. paniculata continues to bloom several years.

- Muralis. Beautiful, hardy annual; six inches high, forming a dense mass. Fine for edgings. Blooms profusely. Flowers pink. 5
- Paniculata. (Baby's Breath). Perennial. White. Fine for cutting . . . 5

HUNNEMANNIA FUMARIAEFOLIA

Save a Spot in the Garden for this Beautiful Flower

This most beautiful plant forms a shrubby bush two feet in height, with finely-cut foliage, similar to that of the Eschscholtzia, and produces its large tulip-shaped flowers on long stiff stems, from August till November. The color is a clear, brilliant yellow, the petals resembling crushed satin. The flowers will keep in water for several days. Seed should be sown quite early in the spring, in shallow drills, where the plants are to bloom, as they do not stand transplanting 10

IPOMOEA

The Ipomœas are climbers of rapid growth. Succeed best if started in the hotbed and transplanted as soon as all danger of frost is past.

- Bona Nox (Good Night or Evening Glory, Moon Flower). Flowers large, white. 10
 - Giant Pink Hybrid. A new variety of marvelous growth. Seeds germinate quickly, and plants begin to bloom nearly as early as those of the Morning Glory. The soft lilac-pink flowers are produced abundantly all summer and fall. They remain open from about four o'clock in the afternoon until near noon of the next day. The vine branches freely, and the foliage is abundant 10
 - Grandiflora superba. Fine, large flowers, sky-blue, bordered with white . . . 5
- For other varieties of Ipomœa, see Cypress Vine and Morning Glory.



DIGITALIS, or FOXGLOVE
A Beautiful and Useful Hardy Plant

DIGITALIS—Foxglove

The Foxgloves are quite stately and highly ornamental plants when well grown, with flower-stems at least three feet in height. They are fine for the mixed border, or planted singly in half-shady places near a walk or drive. The racemes of flowers are often two feet in length, containing scores of the prettily-spotted thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden, and transplant as desired. Perennial. Mixed varieties . . . 5

EUPHORBIA

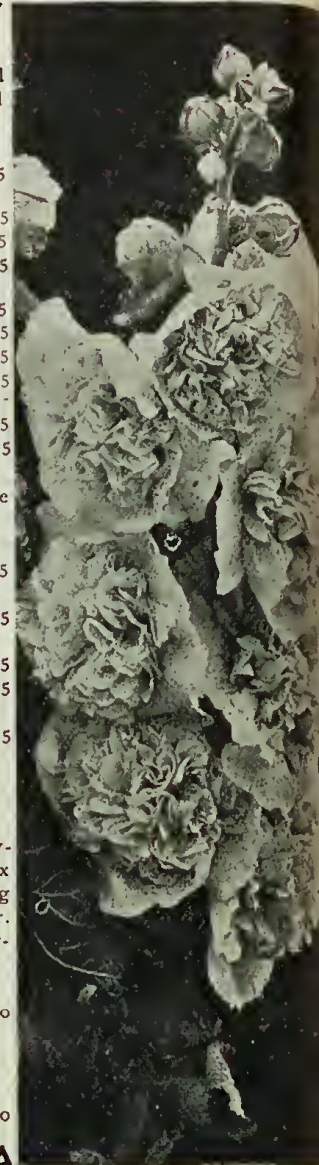
Heterophylla. Known as "Fire on the Mountain," "Mexican Fire Plant," "Annual Poinsettia," and "Painted Leaf." A bushy plant two to three feet high, with highly ornamental leaves, which become flared with dark fiery scarlet, leaving only a small tip of green. Easy of cultivation, growing in places fully exposed to the sun, which brightens and hastens the coloring. It can also be grown in pots and then moved about at pleasure. Annual 5

Marginata. Two feet high; leaves light green and white-margined; called "Snow on the Mountain." Annual 5

HELIOTROPE

This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding.

- Queen Marguerite. Bears immense clusters of large, deep dark blue flowers, with an exceptionally rich and spicy perfume. 10
- Dr. Livingston. Fine dark blue clusters 10
- Louise Delaux. Rose-tinted flowers. 10
- White Lady. Large pure white flowers 10
- Giant-flowered. Choicest mixed. 10
- All varieties mixed 10





GAILLARDIA GRANDIFLORA

GAILLARDIA

Gaillardias, known as Blanket Flowers, are good bedding plants, being strong, constant bloomers, through the whole summer. Flowers large and showy, two to three inches across; fine for cutting, as they last a long time in water. Set plants twelve to eighteen inches apart. Half-hardy.

- Picta Lorenziana. Fine double variety. Heads two inches in diameter. Annual 5
- Aurora. Double. Red, tipped with yellow. Fine large flower 10
- Grandiflora. Perennial. Very large and brilliant flowers of richest colors: crimson, scarlet, orange, and yellow; excellent for cutting. Mixed colors 10
- Mixed single annual varieties 5

ICE PLANT

Mesembryanthemum crystallinum. A pretty, half-hardy annual, with delicate, succulent, almost transparent branches and leaves. Of drooping habit, adapted to baskets, vase work, and rockeries. Prized for its singular foliage. 5

LOBELIA

Exceedingly useful plants for edging of flower beds, their free-blooming qualities and brilliant shades of blue to white making a pleasing contrast to the masses of reds and yellows so prevalent in bedding. They are also elegant for hanging baskets, pot culture, etc. All are annuals except *L. cardinalis*, which is a hardy perennial.

- Cardinalis. Our native Cardinal Flower. Spikes of brilliant scarlet. Blooms first year if well started with heat 10
- Barnard's Perpetual. This is the finest Lobelia ever introduced. Flowers a brilliant blue, white eye 10
- Crystal Palace compacta. Dark blue. The best for edging and carpet-bedding 10
- Emperor William. Light blue; compact; very fine 10
- Erinus erecta compacta. Deep rich blue 10
- Erinus erecta alba. White 10
- Prima Donna. Dwarf, compact. Velvety maroon flowers 10
- White Gem. Forms a ball of snow-white flowers 10
- Erinus (gracilis). Blue. Fine for baskets or trailing purposes 10
- Erinus speciosa (Crystal Palace). Dark blue; very fine 10
- Hybrida grandiflora. Large, dark blue flowers, white eye 10
- One packet of each of the above eleven varieties for 75 cents.
- Mixed varieties, for baskets, etc. 10

KOCHIA TRICOPHILA. True Summer Cypress

Makes a Beautiful Specimen Plant, or Grown in Hedge Form is Most Attractive. May also be Trimmed to any Shape or Form

Although this is not a new plant, it is so little known, and so attractive in appearance, that we consider it worthy a place in the garden. It grows two to two and a half feet high, with many slender branches pressed close to the main stem, and resembles a small, closely-sheared evergreen, the slender foliage being light green until September, when the whole plant is a solid mass of crimson. Seeds germinate readily, and may be sown in the open ground about the first of May. The plants should stand about two feet apart 10

HYACINTH BEAN—Dolichos

- Lablab. This really beautiful climbing plant is of quick growth; the foliage is handsome, and the clustered spikes of flowers are borne in great profusion. The shining purple seed-pods are also very ornamental. Tender annual, growing six to eight feet. Seed should be sown where plants are desired, in as warm and dry a spot as possible 5
- New Japan. A new and beautiful variety, with large, pure white flowers, and waxy white seed-pods. Eight to ten feet 10

JAPANESE HOP

A splendid annual climber, rapidly covering arbors, walls, trellises, etc. The foliage resembles that of the common Hop, but is much more dense. Seed sown in the open ground in spring will produce large plants in a short time. Withstands heat, drought, and insects.

- Japanese Hop 5
- Variegated Japanese Hop. Leaves green and white variegated. 5

LINUM

- Grandiflorum rubrum. Brilliant crimson flowers, an inch or more across, and a continuous bloomer. Annual 5
- Perennial varieties mixed 5

LYCHNIS

- To obtain good flowers the first summer, start under glass and transplant as early as possible.
- Chalcedonica. Two feet high, with heads of brilliant scarlet flowers. Perennial 5
- Haageana hybrida. Finest of the Lychnis family. One foot in height. Mixed colors. 5
- Viscaria splendens. Flowers bright crimson. A very fine red-flowered hardy perennial 5



KOCHIA TRICOPHILA



ANNUAL LARKSPUR—Delphinium

Beautiful plants. They prefer a cool soil and season. Sow seed in fall, or early in spring. The branching varieties grow two feet high, and should stand eighteen inches apart. The Rockets should be thinned to five or six inches apart. The annual varieties are very free bloomers, and produce large spikes of flowers, white, pink, rose, light blue, dark blue, and violet. In some varieties the flowers are double, in others single. The beautiful plume-like foliage is very ornamental, and the whole series are excellent for bouquets and table decorations.

- Double Dwarf Rocket. One foot in height. Mixed colors, ounce, 25 cents. 5
- Double Tall Rocket. Large plant; very showy. Two feet. Mixed colors 5
- Stock-Flowered. Double. Branching. Fine for cutting. Two feet. Mixed colors 5
- Candelabrum. One foot in height; flowering late. Mixed colors 10
- Emperor. Compact; brilliant. Two feet. Mixed colors 5

PERENNIAL LARKSPUR

The perennial Larkspurs are valuable plants. Foliage clean and pretty; habit strong and good; flowering branches of some varieties often four feet high; flower spikes six inches or more in length. Propagated by division of roots and from seed. Sow seed in open ground, early in spring, and strong plants will be produced by fall that will flower the next spring, and some of them the first season.

- Formosum. Brilliant blue, white eye. Three feet 5
- Formosum caelestinum. (Pillar of Beauty). Celestial blue; flowers large; spikes long. Plants three feet in height 10
- Nudicaule. Bright scarlet; native of California. One foot. 10
- Chinese. Fine. Two to three feet. Blue, white, and pink, mixed (home grown) 5
- Zalil (Hardy Yellow Larkspur). A lovely shade of sulphur-yellow, bearing spikes of forty to fifty blossoms each, one inch in diameter. Plants one to two feet 10
- Large-flowering Hybrids. Three to six feet high. Flowers of various shades; very showy. Finest varieties mixed. Extra fine stock 5

MARVEL OF PERU

Also known as Four O'Clock, because its flowers open about that time of the evening and fade the next morning. Two feet high, with bright foliage and fragrant flowers of desirable colors. Set plants two feet apart. Makes a nice hedge if set a foot apart. Seed should be planted in the open ground where plants are desired. The roots may be taken up in the autumn and preserved through the winter for spring planting, in the same manner as Dahlias.

- Marvel of Peru. Mixed colors, ounce 20 cents 5
- Variegated Foliage. Flowers of a variety of colors 5
- Long-Flowered White. Sweet-scented flowers three to four inches long 5
- Long-Flowered Violet. Same as above, except in color 5
- Tom Thumb. Very dwarf. Mixed colors 5

MAURANDYA

Maurandyas are delicate and graceful free-blooming climbers, six to ten feet in height. Suitable for greenhouse or outdoor culture, but especially useful for baskets, vases, etc. The flowers are of good size; colors white, and various shades of rose, purple, and blue. Seed should be sown in the hotbed, greenhouse, or in pots in a warm sunny window. Annual.

- Finest mixed 10



MARIGOLD

The African and French Marigolds are valuable for their flowers in autumn and can be grown to advantage in little clumps with other plants in the front of shrubbery or in the garden border. The African varieties are the taller in growth, and produce large self-colored blossoms. The French varieties are smaller, some of them being elegantly striped and spotted. The dwarf-growing kinds adapt themselves to spots where the taller varieties would be unsuitable. Seeds can be sown in a coldframe or in a seedbed in the open border, and the young plants transplanted late in the spring to where they are to remain. They succeed best in a light soil, with full exposure to the sun. Annual.

AFRICAN MARIGOLDS

- Pride of the Garden. The immense flowers of this grand variety are densely double, and of a beautiful golden yellow color. A notable feature is the compact, dwarf habit of the plant, which forms dense bushes fifteen to eighteen inches high and two feet across 5
- Eldorado. Flowers very large, ten to fourteen inches in circumference, and extremely double; quilled like a Dahlia; primrose, lemon, orange, and golden shades. Plant three feet in height. 5
- Lemon Queen. Large lemon-colored flowers 5
- Prince of Orange. Large orange flowers 5
- Mixed varieties. Ounce, 50 cents 5

FRENCH MARIGOLDS

- Striped, yellow and brown 5
- Tall varieties mixed. Ounce, 50 cents 5
- Dwarf varieties mixed. Ounce, 50 cents 5
- Dwarf Marigold Little Brownie, or Legion of Honor. A charming single-flowered plant, about six inches high. Very effective in masses or borders. Begins flowering extremely early, commencing in June. Color a brilliant gold, blotched with maroon 5
- Gold Margin. Excellent. Flowers velvety maroon, margined with gold. Plant only eight inches high, bushy, compact, and free-flowering 5
- Tagetes signata pumila. A beautiful dwarf plant, forming a globular dense mass. Fine for bedding or borders 5

MYOSOTIS—Forget-me-not

Perennial plants, flowering the first season if sown early. Small white and blue flowers. Seed may be sown in a hotbed, and transplanted, or in open ground in spring.

- Alpestris. Blue. Six inches 5
- Alpestris Alba. White. Six inches 5
- Alpestris rosea. Rose. Six inches 5
- Alpestris Indigo blue. New, very fine 10
- Alpestris robusta grandiflora (Eliza Fonrobert). Large-flowering, of pyramidal habit. Very fine. Blue, with clearly defined yellow eye 10
- Alpestris Victoria. Sky blue, dwarf, strong-growing, globular, abundant. Fine for pots and cutting 10
- Palustris (True Forget-me-not). Blue, with yellow eye 10
- Vick's Perfection. The finest Myosotis known. Large, bright blue flowers, with twice as many petals as other varieties. Plant robust, nine inches high 15
- Azorica var. caelestina. Flowers sky-blue 20
- Mixed varieties. 5

MORNING GLORIES

Convolvulus Major

The old Morning Glory. Annual. One of the most free-flowering and rapidly growing plants in cultivation. The richness and delicacy of the brilliant flowers is unsurpassed. The seeds germinate so readily that they can be grown in the garden anywhere the plants are needed, and almost at any time.

White; white and violet striped; white striped with rose; light blue; dark blue; carmine; lilac; incarnata, bright red; atrosanguinea, dark red; each color 5

One packet of each of the above nine varieties for 30 cents.

All the above mixed. Ounce, 20 cents 5

New Double-Flowering. Very fine. About eighty per cent. of the plants will produce double flowers; the remainder semi-double or single . . . 10

Large-Flowered Morning Glory, Rochester

This grand Morning Glory is remarkable for the large size and beautiful color of the flower. Vines strong, growing quickly twelve to twenty feet high, with magnificent foliage, leaves measuring from eight to ten inches across, and remaining on the vines close to the ground during the entire summer. Flowers four to five inches across, deep violet-blue in the throat, blending out to an azure-blue, bordered with a wide white band around the edge. The flowers form in clusters of from three to five, from the ground to the top of the vines 10

Brazilian Morning Glories

Ipomoea setosa. A most interesting climber, with rose-colored flowers from three to four inches in diameter, and leaves eight to twelve inches across. It presents a remarkable appearance, branching in all directions, and intertwining so as to make it impenetrable to the sun's rays. The large seed-pods, with short, reddish hairs on the stems, make it unusually ornamental and attractive. After planting pour on scalding water. 10

VICK'S IMPERIAL Japanese Morning Glories

OUR OWN SPECIAL STRAIN

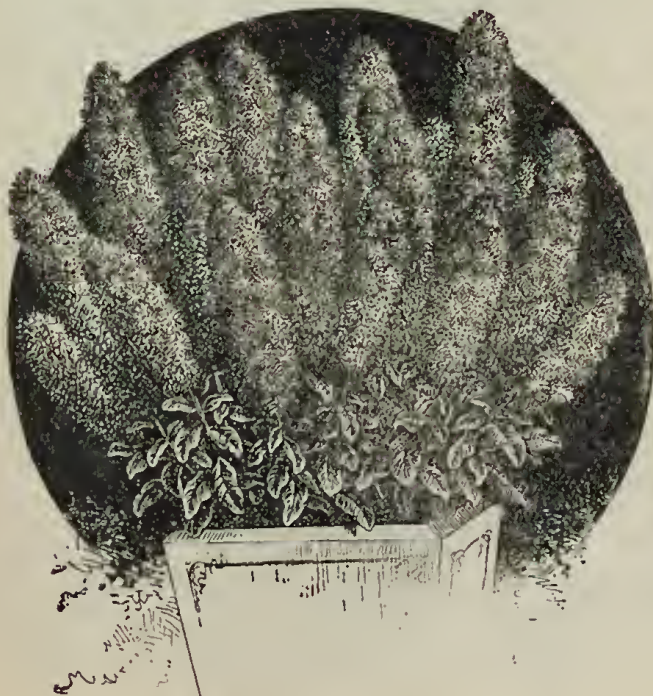
We have given much labor and space to cultivating and improving these large and desirable Morning Glories, and as a result are able to offer a very fine mixture of choice colors, ranging through white with pink throat, white spotted with violet, white spotted with rose, mauve with white throat, lavender with central band of crimson, cobalt-blue with rose bands, violet with blood-red bands, crimson with carmine bands, and purple with maroon bands. Their exquisite beauty and enormous size (from four to six inches across), with their innumerable markings and shadings, command the admiration of all flower lovers. The vines are strong and robust, attaining a height of thirty to fifty feet. The foliage is large and finely cut; sometimes plain green, and occasionally green beautifully mottled with creamy buff. Sold in mixed colors only. Ounce, 50 cents 10



MIGNONETTE

Seeds of Mignonette may be sown at any season, so that by having pots prepared at different times, a succession of flowers can be secured. Seeds sown early in the garden will give flowers through the summer. Plant in a cool place and it will continue to bloom all through the fall. For winter blooming keep in a cool room till buds are formed and begin to show, then bring into a temperature not exceeding fifty degrees at night. Very few cultivate the Sweet Mignonette compared with the many that might show their love for this sweet little flower. Annual.

- Sweet, (*Reseda odorata grandiflora*.) A well-known fragrant plant. Ounce 15 cents 5
- Grandiflora Ameliorata. A large variety, with reddish tinge to the flowers. Ounce 20 cents 5
- Giant Pyramidal. A mammoth variety. Ounce 60 cents 10
- Golden Queen. A very fine and distinct variety, with flowers of a golden hue. Ounce 40 cents 5
- Machet. Plant dwarf and vigorous, of good habit, producing large spikes of very sweet-scented flowers. Fine for pot culture. Ounce 40 cents . . 10
- Golden Machet. This variety has all the excellencies of the popular Machet Mignonette, recognized by all as the best for forcing and pot culture. Plants are of strong, compact habit, bearing long massive spikes of golden yellow flowers. Ounce \$1.00 10
- Allen's Defiance. Spikes from twelve to fifteen inches long, deliciously fragrant. Spikes have been kept three weeks after cutting, retaining the fragrance till every bud opened. Ounce 50 cents 10
- Goliath. Among all the varieties of Mignonette that have been introduced within the last few years this is the best and most distinct. The plants are compact in habit, with rich green foliage, and the immense trusses of highly-scented flowers are borne on erect, strong, stiff stalks. It is especially suited to house culture. Ounce 40 cents 10
- New Large-flowering Bismarck. Very large, true pyramidal shape. Reddish-colored flowers borne on strong stems, well elevated above the dark green, slightly crumpled foliage 10
- Parson's White. Nearly white; strongly scented. Ounce 40 cents . . 10
- Ruby. A fine strain of Machet. Ounce 50 cts 10
- New Hybrid Spiral. Robust plant, long spikes. Ounce 20 cents. . . 5



MIGNONETTE, GOLDEN MACHET

NASTURTIUMS

CLIMBING NASTURTIUMS

THESE are among the very best climbers. They require but little attention, for seed sown in the spring of the year in any fair garden soil, not too rich, will produce plants ten to twelve feet in height before autumn. They endure hot and dry weather very well. There are several varieties; the leaves of some being very light transparent green, while in others they are very dark, almost purplish. The flowers are all shades of yellow and scarlet, some of them beautifully spotted. The climbing *Tropæolum* are excellent plants for baskets, vases, etc. Grown two or three in a large pot, with brush or lattice work support, they make a most showy ornament, which can be moved at pleasure.

Vick's Complete Collection of Climbing Nasturtiums

The dwarf Nasturtiums are extremely popular for making a brilliant bed of color, but the Climbing varieties are coming to their own as ornamental coverings for fences, stumps, or low trellises. They bloom freely, and present a great variety of colors. The following eighteen varieties are offered

In One Collection for 50 Cents

Tropæolum Majus

Per ounce, 15 cents; packet, 5 cents.

- | | |
|-------------------------------------------------------------|-------------------------------------------------|
| Atropurpureum. Dark crimson. | Schuerianum. Straw-color, brown striped. |
| Atropurpureum fol. aureis. Foliage yellow, flowers crimson. | Scheuerianum coccineum, Scarlet striped. |
| Chocolate. | Scarlet. |
| Dark Orange. | Schulzii. Brilliant scarlet. |
| Edward Otto. Bronze, silky. | Schillingi. Bright yellow blotched with maroon. |
| King Theodore. The darkest. | Vesuvius. Brilliant salmon-rose, dark-leaved. |
| Orange. Very handsome. | Von Moltke. Bluish rose. |
| Pearl. Creamy white. | Yellow. |
| Prince Henry. Light yellow, marbled with scarlet. | |
| Regelianum. Purple-violet. | |

Mixed varieties. The green seed-pods used for pickles. Pound, 80 cents; oz., 10 cents 5
Extra choice mixed. ¼ pound, 50 cents; oz., 20 cents 5

Tropæolum Lobbianum

Resembling the tall variety in habit, with beautiful and various colored flowers borne in great profusion. The flowers and foliage are somewhat smaller than the ordinary Nasturtium. Half-hardy annual.

- | | |
|----------------------------------------------------------------------------------|---|
| Asa Gray. Yellowish white, very fine | 5 |
| Giant of Battles. Sulphur and red. | 5 |
| King of the Blacks. Very dark brown | 5 |
| Lucifer. Very dark scarlet | 5 |
| Primrose. Cream, with brown spots | 5 |
| Princess Victoria Louise. Light yellow, with blood-red spots and spurs | 5 |
| Choicest mixture, oz., 20 cents | 5 |

Canary-bird Flower. One of the finest of the Nasturtium family, resembling a Canary Bird with expanded wings. Half-hardy annual 5

TOM THUMB NASTURTIUMS

Nasturtiums are much used for making dense masses of color, the Tom Thumb varieties being especially desirable for this purpose. In the hottest weather they thrive and bloom luxuriantly. When planted in poor soil they flower profusely; if the soil is too rich they run to leaves. Hardy annuals.

- | | | | | | |
|-----------------------------------------------------------------|---|--------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------|---|
| Aurora. Salmon-rose, mottled and veined | 5 | Dark Crimson | 5 | Regelianum. Purplish violet | 5 |
| Beauty. Orange and vermilion | 5 | Golden King. Golden yellow flowers. Very fine | 5 | Rose. Rose, tinted with salmon | 5 |
| Bronze. Beautiful coppery bronze | 5 | Golden Queen. A beautiful new golden-flowered, yellow-leaved variety | 5 | Ruby King. Foliage dark | 5 |
| Carter's. Scarlet | 5 | King Theodore. Flowers very dark | 5 | Scheuerianum coccineum. Scarlet striped | 5 |
| Chameleon. Mottled crimson, bronze, and yellow | 5 | King of Tom Thumbs. Leaves bluish green, flowers brilliant scarlet. | 5 | Spotted. Yellow, crimson spots | 5 |
| Cloth of Gold. Golden-leaved; flowers intense scarlet | 5 | Lady Bird. Golden yellow, flamed crimson | 5 | Spotted King. Rich orange, maroon spots | 5 |
| Ceruleo-roseum. Bluish rose | 5 | Luteum. Yellow | 5 | <i>One packet each of above twenty-four, 70 cents.</i> | |
| Crystal Palace Gem. Sulphur, maroon spots | 5 | Pearl. Light cream | 5 | Extra Choice Mixture , from named sorts, ¼ pound, 60 cents; oz., 20 cents 5 | |
| Empress of India. Dark leaves, crimson flowers | 5 | Prince Henry. Light yellow, marbled scarlet | 5 | Mixed varieties , 1 pound, \$1.00; ¼ lb., 30 cents; oz., 10 cents 5 | |



New Climbing Nasturtium

"Hybrids of Madam Gunther." A strain of French origin, most remarkable for the wide range of exquisite colors, showing pink, purple, rose, salmon, light yellow, dark maroon, deep orange, etc.; also striped and blotched, mottled and variegated in the most fantastic manner. They are strong growers, climbing five to seven feet, with rich dark foliage. Fine for porches, vases, or trailing on the ground. Half-hardy annual. Ounce, 25 cents 5



Clarksville, August 23, 1909.
*Last Spring I had the most beautiful pansies,
 grown from your seeds, that I ever saw. Everybody
 admired them so much, more than any other flowers
 I ever had. I had your Giant Superb Pansies last
 year and they were gorgeous in coloring.*
 MRS. M. C. HARELSON.

Vick's Superb Pansies

THE PANSY is, everywhere and with everybody, a very popular flower. Its modest and innate sweetness endear it to the hearts of young and old alike. It gives an abundance of bloom until after severe frosts, endures our hard winters with safety, and greets us in the early spring with a profusion of bright blossoms. Pansy seed may be sown in the hotbed or open ground. If sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seeds sown in a cool place in May or June, and well watered until up, will produce fall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth, as they will in rich moist loam. Young plants give the largest flowers. The old worn-out plants should be replaced. If the plants come into bloom in the heat of summer, the flowers will be small at first, but as the weather becomes cooler they will increase in size and beauty. They will flower better in mid-summer if planted where somewhat shaded from the hot sun, and especially if furnished with a good supply of water; but in almost any situation will give fine flowers in the spring and autumn.

Vick's Giant Superb Pansies

For years our Superb Mixture has been unapproached; in fact, no grower has as yet succeeded in producing a Pansy so fine in color, delicate in penciling and so uniformly large in size as our own. To this superb mixture we are constantly adding the newest and most expensive strains, which we know will please all lovers of the Pansy. If you want the best Pansies grown, get our Superb Mixture. Packet, 50 cents; two packets, 80 cents; $\frac{1}{8}$ ounce, \$1.25; ounce, \$9.00.

Vick's Peerless Pansies

Comprise the choicest of the standard large-flowering sorts, including many of the rare and expensive varieties, such as Bugnot, Odier, Cassier, and Trimardeau types. For immense size, perfect form, freedom and durability of bloom, and gorgeous colorings, the Peerless stands second only to our New Giant Superb Mixture. For a charming display of show or exhibition Pansies you should try at least a packet of Vick's Peerless. Packet 25 cents; two packets, 40 cents; $\frac{1}{8}$ ounce, 90 cents; ounce, \$5.00.

Bugnot's Superb Blotched. French strain; a beautiful class. Large flowers, broad blotches, and from the large spots extend delicate pencillings to extreme edge of petals. Seed of our own growing, saved from selected plants. Packet, 25 cents.

Bugnot's Exhibition. Saved from plants obtained from the growers' original seed. Packet, 75 cents.

Cassier's Giant Blotched. A magnificent strain of the popular Odier type. Flowers extra large, of fine form and good substance. Each petal is marked with a large, clearly defined blotch. Packet, 25 cents.

Giant Orchid-Flowered. A distinct new race, embracing many rare shades. Packet, 25 cents.

Odier, or Large-eyed. A superb strain of various colored, perfectly formed flowers, with dark blotches on the petals. Very showy. Packet, 20 cents.

Parisian Large Flowered Striped. Extra large flowers. A very showy strain. Packet, 15 cents.

President Carnot. A strikingly beautiful variety. Petals pure white with a deep violet blotch. Packet, 20 cents.

VICK'S PANSIES—Continued

Masterpiece

This is a new strain of the Giant Five-spotted class. The general habit of the plants is strong and compact. In summer, when the weather is warm and dry, it maintains a healthy appearance longer than any other Pansy. The large flowers are borne well above the foliage, on strong stems, possess greatest substance, are perfectly round, and contain a rich combination of colors. Each petal is distinctly marked with a very large dark blotch, and most of the flowers are margined with a light, white, or yellow edge. Packet, 20 cents.

Giant-Flowering Varieties

A distinct class. Plants vigorous and compact. The flowers are thrown well above the foliage and many of them are marked with large blotches. They are of enormous dimensions—some specimens grown on our grounds measuring over three inches in diameter. We offer the following separate colors of this wonderful strain:

- Andromeda.** This lovely frilled variety is of a delicate apple-blossom, showing a soft lavender or lilac hue, rendered more effective by a darker lining 20
- Adonis.** Beautiful light blue 10
- Auricula-flowered.** Fine shades 10
- Bridesmaid.** New. Rosy white ground, beautifully blotched 25
- Dark Blue** 15
- Emperor Franz Joseph.** White with large violet blotches. A superior bedding variety 20
- Emperor William.** Ultramarine blue, with violet-purple eye 15

- Fire King.** Golden yellow, upper petals purple. Showy 25
- Freya.** Dark purple, with broad pure white margin; extra fine 15
- Golden Queen.** Pure yellow 25
- Hortensia Red** 25
- King of the Blacks.** Almost jet black. Extra fine large-flowering strain 25
- Lord Beaconsfield.** Purple-violet, shading to white in the upper petals; splendid . . . 15
- Madam Perret.** True. Petals frilled. Dark wine, pink, and red shades beautifully veined, all with white margin 15
- Peacock.** Large peacock-blue flowers, white edged. A superb variety. 20
- Prince Henry.** An extra fine variety of the darkest blue 20
- Prince Bismarck.** Light brown shades, with dark eye. Extra 15
- Psyche.** A beauty in form and color, elegantly curled and undulated 20
- Ruby King.** New. Superb red shades . . . 20
- Snowflake.** Extra fine pure white. 15
- Striped.** Fine. 15
- White, with Purple Eye** 15
- Yellow, with Black Eye** 15
- Mixed varieties.** 07., \$3.00; ¼ oz., \$1.00; ⅓ oz., 60 cents 10

Standard Varieties

Each 5 cents per packet.

- Atrosanguinea.** Dark red.
- Azure-Blue.** Extra fine.
- Black, with bronzy center.** Fine.
- Bronze-color.**
- Brown-Red.** Various shades.
- Cardinal.** Brilliant dark red.
- Coquette de Poissy.** Distinctive mauve color.
- Dark Blue.** Very rich, constant.

- Dark Purple.** Rich, deep purple. Fine.
- Diana.** Cream-colored; quite distinct.
- Emperor Frederick.** Dark red, bordered with orange-scarlet.
- Emperor William.** Ultramarine-blue, with violet-purple eye.
- Fawn-color.** (Prince Bismarck.)
- Fairy Queen.** Brilliant sky-blue, silver-white margin. Very showy.
- Fire King.** Golden yellow, upper petals purple.
- Gold-Margined.** Exceedingly beautiful color.
- Havana Brown.** Beautiful shades of brown.
- King of the Blacks.** Almost coal-black.
- Light Blue.** Lovely shades of sky-blue.
- Lord Beaconsfield.** Deep purple-violet, shading to lighter hue.
- Mahogany-colored.** A very fine variety.
- Meteor.** Bright brown.
- Mourning Bride.** Dark purple, red or white edge.
- Purplish Violet.** Distinct and fine.
- Quadricolor.** Distinct. Colors brilliant.
- Red Riding Hood.** Brilliant red.
- Rosy Lilac.** Distinct, and very fine.
- Silver-Edged.** Dark purple, with white border. A charming variety.
- Snowy White.** Good form and size.
- Striped and Mottled.** Extra, and very showy.
- Victoria.** Rich velvety claret-red, large flowers.
- Violet, with white border.**
- White, with dark eye.** Very showy.
- Yellow, with dark center.**
- Yellow Gem.** Clear yellow, without eye. A gem.

One packet of each of the above thirty-five for \$1.25; or any ten for 40 cents.

Mixed Seeds of the above sorts, oz. \$1.50; 1-8 oz. 25c.; pkt. 5c.

MIMULUS

The Mimulus, or Monkey Flowers (named from the resemblance of the corolla to a mask or face), are beautiful tender plants with almost transparent branches. Fine for baskets, vases, and house culture, and do well planted out where they will be somewhat shaded. Perennial, but bloom the first season.

- Hybridus tigrinus grandiflorus.** As beautifully spotted as the Calceolarias. 10
- Musk Plant** 5
- All sorts mixed** 5

NICOTIANA

Sandera. The Hardy Annual of the Century. Among Nicotianas nothing approaches it in point of floriferousness, nor in its graceful and copiously branching habit. The whole plant, from base to summit, is laden with flowers of an intensely glowing rosy-carmine color, and either in flower beds, shrubbery borders, or in the wild garden it is incomparably beautiful and charming. No plant is easier to grow. Sow seed in January; prick out the plants in the ordinary way; transplant in May to the place where they are to flower; this is all that is necessary. The care given to the most ordinary annual will suit this new Nicotiana admirably 10

Affinis is one of the best Nicotianas we have ever grown. The plant attains the height of three feet, and at evening and early morning is covered with deliciously-scented, large, white flowers. Easily grown from seed, and cuttings rooted in September will bloom freely in the winter. 5

Sylvestris. Grows about five feet high, with very symmetrical foliage. The very long pendulous flowers are delicately fragrant, and are borne in great profusion. 5

James Vick's Sons, White Lake, November 27, 1909.

Gentlemen:—From the "Prince Henry" pansy seed I purchased from you I grew some of the finest pansies I ever saw, and I would advise every one to try a paper of them. The first pansies I ever raised were bought from James Vick many years ago, when I knew nothing about their culture and left them all in the seed box without transplanting.

Yours very truly,
MISS M. F. KINNE.



GIANT-FLOWERING PANSY MASTERPIECE

NIGELLA

Pretty, hardy annuals, with fine feathery foliage. May be sown in the open ground early in spring.

- Damascena.** (Love-in-a-Mist.) One foot. Mixed colors. 5
- Damascena nana.** Dwarf. Six inches. Mixed colors 5
- Hispanica.** One foot. Large-flowered. Mixed colors 5
- Fontanesiana.** Large-flowered. Blue. Blooms very early 5

Petunias

Petunia seed will germinate with little difficulty if a reasonable amount of care is used in sowing. First, be sure that the soil is well pulverized; then sow the seeds on the surface, pressing them into the soil by using a small, smooth board and *cover very lightly* with sand or fine soil. Seed sown in a hot-bed or coldframe early in the spring, will produce flowering plants in June. Set the plants about eighteen inches apart. They come pretty true from seed, but are not reliable in this respect, being inclined to sport. Seeds of Double Petunias do not possess as much vitality as those of the single, neither will all come double. Annual.



Vick's Ruffled Petunia

Large, showy flowers; strong, free-blooming plants

Embracing the greatest range of color and the largest size of flower. No bedding plants make a more pleasing display than Vick's Ruffled Petunias. The many distinct colors and markings make a brilliant show. The plants make a strong growth and bloom profusely. One greenhouse 100x20 feet is devoted exclusively to this strain; in it the plants are grown separately in pots and hand pollinated. This mixture is decidedly in advance of any other foreign or American strain. 25 cents per packet.

GRANDIFLORA, LARGE-FLOWERED SINGLE.

Superbissima. Magnificent flowers, of various colors, with large throats beautifully veined. Extra fine. 25	Marginata. Pink, veined with rose, and green margin 25
Alba. Large white, fine form. 25	Venosa. Variety of colors, beautifully veined. 25
Brilliant. Deep rose 25	Violacea. One of the noblest of the large-flowered Petunias. Rich violet. 25
Kermesina. Rich crimson 25	Choice mixed. From show flowers 25
Maculata. Beautifully blotched and striped 25	

GRANDIFLORA, LARGE-FLOWERED SINGLE, FRINGED.

Alba. White, edges crimped and fringed. 25	Vick's Fringed. Flowers with fringed and frilled edges; distinct and beautiful; comes true from seed. Mixed colors 25
Brilliant rose. Fringed edge. 25	

GRANDIFLORA, LARGE-FLOWERED DOUBLE.

Aurora. Light rose, veined crimson-purple 50	White 50
Brilliant rose 50	Mixed varieties 50

GRANDIFLORA, LARGE-FLOWERED DOUBLE, FRINGED

Brilliant rose 50	Mixed varieties 50
Lady of the Lake. Pure white 50	

DOUBLE-FLOWERED BEDDING PETUNIAS.

Compacta nana multiflora fl. pl. Dwarf, compact plant, profuse bloomer. Fine for bedding. Mixed colors 25

One Packet each of the following for 75 cents	
Large-Flowering Single. Choice mixed	25
Vick's Fringed. Mixed colors	25
Giants of California. Mixed colors	20
Single-Flowered Bedding. Extra choice mixed	10
Double-Flowered Bedding. Mixed colors	25

SINGLE-FLOWERED BEDDING PETUNIAS

Bedding varieties are unsurpassed for massing. They will make a more showy bed, giving a profusion of flowers from early summer until frost.

Blotched and Striped, very symmetrically marked	10
Belle Etoile. A beautiful, somewhat large-flowered strain of the above	10
Brilliant. Rosy carmine	10
Countess of Ellesmere. Dark rose, with fine white throat	10
General Dodds. Beautiful dark red	10
Illustris. Carmine-rose	10
Kermesina. Fine crimson	10
Venosa. Various shades, handsomely veined	10
Extra Choice Mixed. Superb strain	10
Fine mixed	5
New Dwarf Inimitable. A really dwarf variety, forming a compact little plant five to eight inches in height by as much in diameter, covered with regularly striped flowers. Adapted for massing and pot culture	10
Snowball. A charming new dwarf pure white variety	10

"Giants of California." This strain, originating in California, is of incomparable size, luxuriance, and beauty. Nearly all the flowers are ruffled or fringed, and measure from four to five inches across. The great variety of colors, blotchings, stripings and veinings make fantastic and beautiful combinations,—some with deep throats of yellow, white, black, green, or maroon, running off into intricate veins. Some of the colors run to delicate shades, while others are deep, rich, and gorgeous 20

MALOPE. Ornamental hardy plants of vigorous growth, branching freely, and producing large flowers of deep rosy red, veined darker inside, or of pearl white. Sow seeds in the open border, as the plants do not bear transplanting.

Grandiflora. Flowers single, rosy red 5
 Grandiflora alba. Single, pure white 5

The new Ruffled Petunias are lovely. I have a seven-foot bed three feet wide. It is a grand sight all the time, right near my dining-room door; all colors and shades. I am more than pleased with them. Some of the flowers measure four inches across. I have made a window-box from slips, which are doing fine, taken from the tops of some of the choicest flowers.

MRS. CALVIN SULLIVAN

Greenwich, N. Y., Sept. 21, 1909.

PHLOX

The word *phlox* signifies "a flame," and a bed of Vick's Phlox is a dazzling sight. In a good, rich soil, the plants will grow eighteen inches or more in height, and for a mass of splendid colors no annual or perennial will give a more satisfactory return for so little cost. The colors range from the purest white to the deepest blood-purple or crimson, while the clear eye of some of the varieties is peculiarly marked. The Phlox makes a very good border or low summer hedge. The finest effect, however, is produced by planting each color in a separate bed, or in ribbon fashion, its constant blooming making it desirable for these purposes. In selecting the plants, get good contrasts of color, as white, scarlet, and rose. Phlox usually comes very true from seed, so that it is particularly desirable for forming ribbon-beds; and if a plant of wrong color is found it can be easily removed and the place will soon be filled, for the Phlox is a vigorous grower when it has room. Seed may be sown in the open ground as early in spring as the soil can be put in good condition, or in hotbed or coldframe earlier; and in either case, from June, during the summer and autumn, the plants make a most brilliant show of flowers. Set the plants about one foot apart; if too thick, they suffer from mildew. We grow several acres of Phlox every year, devoting much care to its improvement, and our strain of Phlox Drummondii is the best the world produces.



Phlox Drummondii Grandiflora

The flowers of this section have round petals and larger flowers than the old sorts. These varieties we have found to be nearly constant.

- Alba pura. Pure white.
- Atropurpurea. Deep purple.
- Atropurpurea alba oculata. Dark purple, white eye.
- Brilliant. Delicate pink; white eye.
- Coccinea. Brilliant scarlet.
- Carnea. Flesh color. Beautiful.
- Carminea alba oculata. Rose-carmine, white eye.
- Chamois rose. Pale rose.
- Isabellina. Light yellow.
- Kermesina splendens. Vivid crimson; one of the best for massing.
- Leopoldii. Splendid rose color, with white eye.
- Quadricolor rosea. Rose petals, shaded separate.
- Rosea. Beautiful pink, shading to rose, with darker eye.
- Stellata splendens. Clear scarlet, white eye.

Price, per packet, 10 cents; any seven for 50 cts. The set of fourteen for \$1.00.

- Phlox Drummondii grandiflora, choice mixed, ounce, 75 cents . . . 10
- Phlox Drummondii, fine mixed 5

Phlox Drummondii Nana Compacta

The dwarf annual Phloxes are very desirable for edgings and ribbon beds and useful for pot culture. They grow six to eight inches in height, forming dense masses of bloom all summer. Of the many varieties the following are the best.

- Fireball Bright scarlet 10
- Snowball. Pure white 10
- Best varieties mixed 10

Star Phlox

A decidedly unique variety. While the petals of all other Phloxes are entire, in this variety they are partly fringed and partly toothed; the central teeth of the petals are five or six times as long as the lateral ones, projecting like little spines, giving the flowers a regular star-like form. The beauty of the flower is enhanced by a white margin which borders the edges of the petals. There are many distinct colors. Best varieties mixed 10

The Entire Collection of Phlox Drummondii including Star Phlox, seventeen varieties, for **\$1.20**

PRIMROSE

In this country Primroses do well in a cold house, but in the open ground succeed best in a northern border. *P. vulgaris* is the sweet, beautiful English Wild Primrose, so ardently loved by all who spent their childhood days among the green lanes of England. Sow seeds under glass and transplant. Perennial.

- Primula auricula. Fine mixed 25
- Auricula. From named flowers 50
- Elatior (Polyanthus). Fine mixed 10
- Polyanthus, Gold-laced. Choicest mixed. 25
- Vulgaris. Wild English Primrose 10

For other varieties of *Primula* see Plant Department.

PYRETHRUM

Handsome herbaceous plants of easy culture. It would be well to sow seeds under glass, but we have grown them by sowing seed in the open ground. A good double Pyrethrum is as desirable as a good Aster. Hardy.

- Roseum hybridum. Double varieties mixed 25
- Roseum hybridum. Single varieties mixed 10
- Double White Feverfew 10
- Golden Feather. Prized for its yellow foliage 10

SENSITIVE PLANT

Mimosa pudica. The Sensitive Plant affords a good deal of amusement, not only to children, but to those of larger growth, on account of its apparently sensitive leaves, which close up when touched. Seeds should be started under glass. Do not transplant to the open ground until the weather is warm. Annual 5

SCHIZANTHUS

The Schizanthus is a beautiful half-hardy annual, of very graceful habit. The flowers are butterfly-shaped, of rich and varied colors, and completely cover the plant. About two feet high. Best varieties mixed 5

NEMOPHILA. Love-in-the-Grove. Baby Eyes. Flowers blue and white. They do best if sown in a frame and transplanted early. Set about six inches apart. Mixed varieties, ounce, 20 cents 5

PERILLA NANKINENSIS. A very elegant dark-leaved plant with purplish mulberry-colored foliage. Annual. Eighteen inches in height 5

Poppies

Vick's Best Annual and Perennial Varieties

Within the past few years many developments in the Poppy family have brought these flowers into deserved popularity, and good annual varieties are numerous, ranging in size from the Ranunculus-flowered, two inches in diameter, to the large Peony-flowered. The plants have strong tap roots, and are difficult to transplant; it is better to sow the seed early in the spring where the plants are to flower.

ANNUAL VARIETIES

- Vick's Brilliant** is a superior variety, of strong, robust growth, two to three feet high. The flowers have a variety of bright colors; pure white with a pink tinge, scarlet, rose, purple, and other shades, and are so beautiful and bright as to be almost dazzling to the eye. Round as a ball; perfectly double 10
- Shirley.** Flowers exceedingly graceful and elegant; single; colors ranging from bluish-white, delicate pink, rose, and carmine, to bright sparkling crimson, occasionally blotched and streaked with white. The best and most showy of all the single Poppies . . . 5
- Mikado.** Flowers large and loose, resembling the Japanese Chrysanthemum; petals cut and fringed in the most fantastic manner; color pure white, edged with purple 5

One packet of each of the above three for 15 cents

- Danish Flag.** Flowers brilliant scarlet, large silvery white blotch at the base of each petal, forming a white cross on scarlet ground 5
- Peony-flowered.** A splendid class of large double flowers, with broad petals, resembling a Peony; colors range from white to pink, carmine, scarlet, crimson, and maroon 5
- Ranunculus-flowered.** Plants two feet high; free bloomers. Flowers double, two inches across. All shades of color, from white to deep crimson . . . 5
- Scarlet single.** The single Scarlet Corn or Field Poppy of Europe. Very gorgeous 5
- Umbrosum.** Of dwarf habit; branching. Flowers bright vermilion, with a shining black spot on each petal. Very showy 5
- Carnation-flowered (somniferum fl. pl.)** Double Opium Poppy. Splendid large double flowers. Deeply fringed; same style as Vick's Brilliant. Mixed colors, ounce, 20 cents 5
- Opium Poppy.** True, single. Pound 90 cents; ounce, 10 cents 5

One packet of each of the above seven, 25 cents.

- American Flag.** Flowers snow white, bordered with scarlet, large, double. 5
- White Swan.** Large double flowers, elegantly fringed, pure white . . . 5
- Golden Gate.** Single, semi-double, and double flowers, in a great variety of colors 5
- The Tulip.** An elegant and distinct variety. Plants from twelve to fourteen inches high, producing well above the foliage fifty to sixty large splendid flowers of the most vivid scarlet imaginable. From a mere description no adequate idea can be gained of its strikingly beautiful effect. The plant commences blooming early in June, and flowers abundantly for a period of from six to eight weeks 5
- Cardinal Poppy (New hybrids).** About eighteen inches high; habit erect and compact. Foliage dark green, deeply lacinated. Flowers chamois and brilliant rose on light ground; purple, crimson, brick rose on black, brown, or violet ground 5

One packet of each of the above five for 20 cents

All Annual Poppies listed on this page (15 Varieties) Mixed, in one Packet, 5 Cents

PERENNIAL VARIETIES

ICELAND POPPY Papaver nudicaule.

The Iceland Poppies are perennial, blossoming the first season from seed. The fragrant, elegant crushed-satin-like flowers are produced continuously from June to October. The flowers last fully a week, if cut as soon as open.

- Pure White, Yellow and Orange.
Separate or Mixed, each 10
Collection of the three Iceland Poppies for 25 cents.

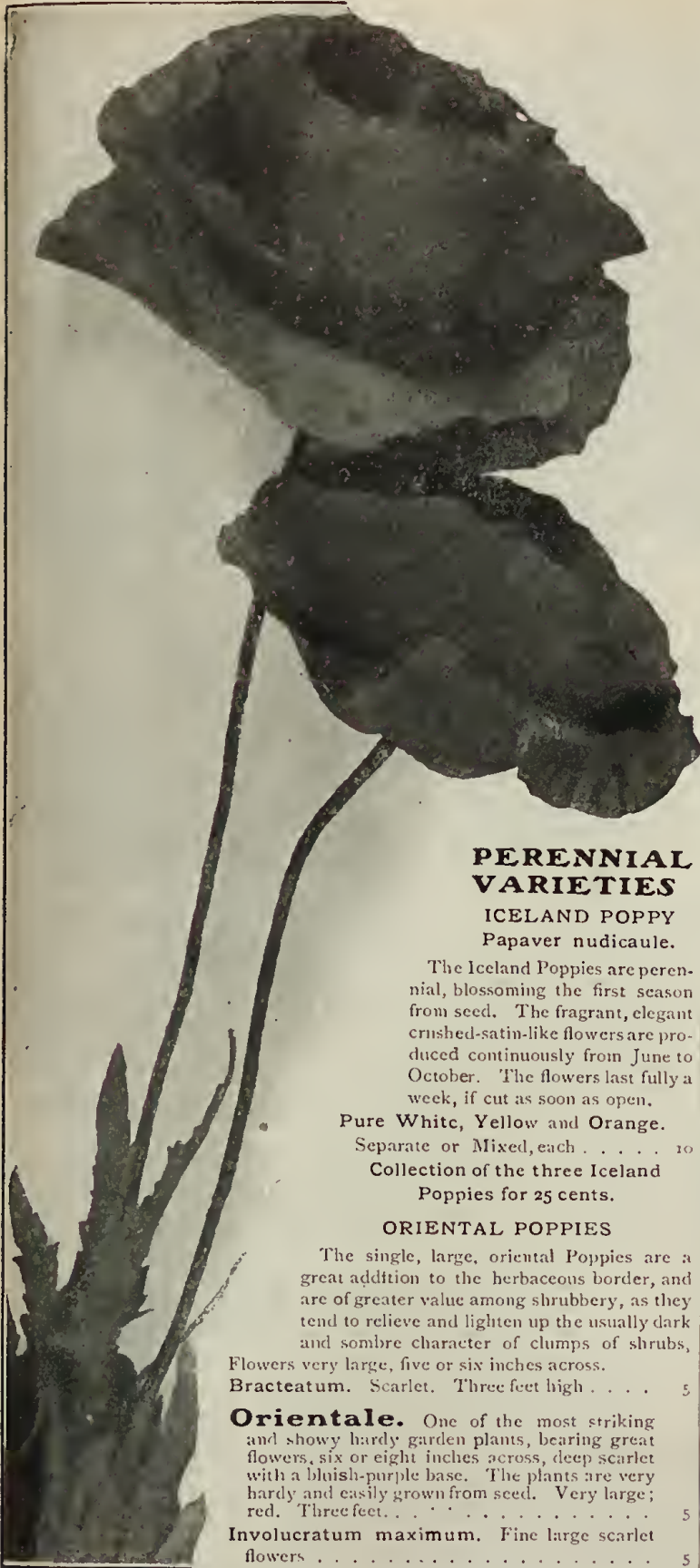
ORIENTAL POPPIES

The single, large, oriental Poppies are a great addition to the herbaceous border, and are of greater value among shrubbery, as they tend to relieve and lighten up the usually dark and sombre character of clumps of shrubs,

- Flowers very large, five or six inches across.
Bracteatum. Scarlet. Three feet high 5

- Orientele.** One of the most striking and showy hardy garden plants, bearing great flowers, six or eight inches across, deep scarlet with a bluish-purple base. The plants are very hardy and easily grown from seed. Very large; red. Three feet. 5

- Involucratum maximum.** Fine large scarlet flowers 5



Braidburn Crescent
Edinburgh, Scotland, Oct. 30, 1909.
The Aster seed procured from your firm gave us very satisfactory results. The past season was very trying on all sorts of vegetation, but your plants continued flowering, despite the weather. I am going to have them again next year.
Yours truly, ANNIE M. McINTYRE.

Hardy Plants, Old and New

An Illustrated Book of Perennial Plants Shrubs, Roses and Climbers

Contains reliable information about the best varieties for beautifying the home grounds; also a table showing the blooming season, enabling you to obtain a succession of flowers from February to December. The book is richly illustrated by photographs direct from nature. Ask **today** for a **free** copy,—the edition is limited.



FLOWER OF SINGLE PORTULACA

PLANTS OF DOUBLE PORTULACA

PORTULACA

A popular hardy creeper, each strong plant covering a space about two feet in diameter. It delights in a warm sun and sandy soil, and the drouth is never too long nor the heat too intense for this beautiful salamander. It makes a brilliant bed on the lawn. The flowers of the double varieties are like small roses. Sow seed in the open ground as soon as the weather is warm, or in a hotbed earlier. The plants can be transplanted when in full flower; and in making a ribbon bed with Portulaca, wait until the first flower opens, so as to be sure of the color. Annual.

Alba, pure white; alba striata, white, striped with rose; earyophylloides, rose, striped with carmine; New Rose, fine rose color; Thellussoni, fine scarlet; splendens, crimson; Thorburni, straw color; aurea vera, deep yellow; aurea striata, sulphur yellow striped with gold. Each of the single varieties 5

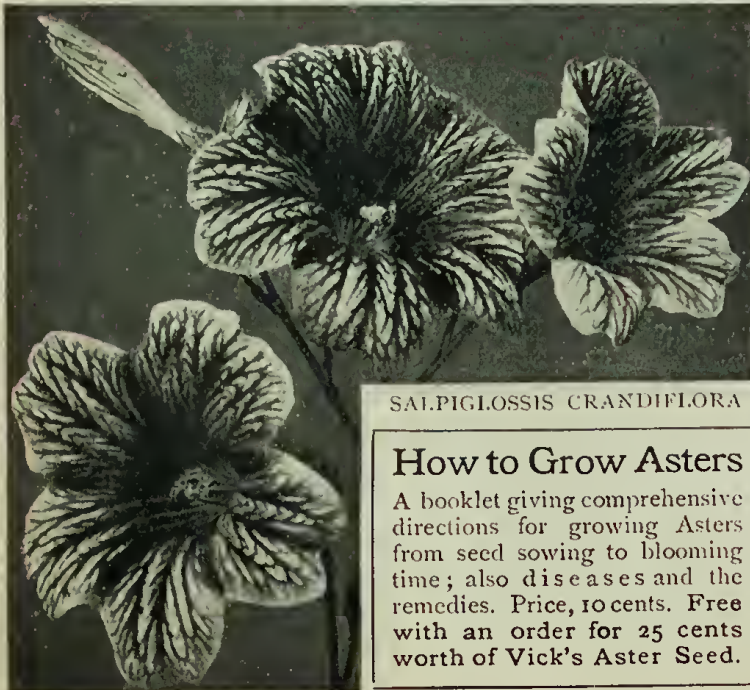
One packet each of the above nine for 30 cents.

Fine mixed single varieties, ounce, 50 cents 5

Double Rose-Flowered. A perfect double variety, as much so as the Rose, and of many brilliant colors, as well as striped. First quality, mixed colors 10

Double Rose-Flowered. Seven different colors—crimson, scarlet, rose, white, rose striped with carmine, orange, yellow—each color 15

One packet each of the above seven for 75 cents.



SALPIGLOSSIS CRANDIFLORA

How to Grow Asters

A booklet giving comprehensive directions for growing Asters from seed sowing to blooming time; also diseases and the remedies. Price, 10 cents. Free with an order for 25 cents worth of Vick's Aster Seed.

RICINUS

The Ricinus has very ornamental foliage and beautiful showy fruit. Fine for the center of a bed, as it gives a magnificent semi-tropical appearance; or, planted thick, it makes a fine screen or hedge. Plant seed in open, very rich, deep-spaded ground, in a dry situation, as soon as safe in spring. The common Castor Oil Bean is cultivated for the oil, and grows about twenty bushels per acre. Annual.

Macrocarpus. Whitish; beautiful. Six feet, ounce, 20 cents 5

Purpureus. Purple stems and leaves. Magnificent. Six feet, ounce, 20 cents 5

Borboniensis. Very beautiful large green leaves. Fifteen feet, ounce, 20 cents 5

Cambodgensis. The finest dark-foliaged Ricinus. Leaves maroon; stem nearly black; fruit bronzy purple. Five feet, ounce, 20 cents 5

Duchess of Edinburgh. Dark purple stem and leaves. Ten feet, ounce, 20 cents 5

Africanus hybridus. Fine. Stem and fruit rose. Six feet, ounce 20 cents 5

Philippinensis. Very large, beautiful leaves. Ten feet, ounce, 20 cents 5

Sanguineus. Blood-red stalk and clusters of red fruit. Eight feet, ounce, 20 cents 5

Communis (Castor Oil Bean, Palma Christi). Pound, 50 cents; ounce 20 cents 5

One packet each of the preceding nine varieties for 35 cents

Mixed varieties of preceding. Ounce, 15 cents 5

Zanzibariensis (Zanzibar Castor Oil Plant). New and distinct. The gigantic leaves, two to two and one-half feet across, and the great size of the plant, surpass any other known Ricinus. The luxuriant tropical appearance when planted singly or in masses is matchless. Mixed varieties, ounce 15 cents. 5

SALPIGLOSSIS

A beautiful flower, delicate in color, and peculiarly rich in its markings

Grandiflora. This has long been one of our favorite flowers, but has never attained the popularity to which it is entitled. Our illustration shows its forms and veinings, but nature only can paint its colors. It is a splendid half-hardy annual, with flowers of a peculiar richness, very delicately and beautifully penciled. Very effective in the sunlight, which brings out the beautiful tints and veinings. Unsurpassed for cutting. Plants about two feet in height. Mixed colors. 5

New Emperor. This variety shows a very marked and striking distinction in habit of growth as well as in its flowers. It forms only one thick main stem about thirty inches high, which is thickly covered with flowers considerably larger than those of the old type, and presents a compact bouquet, in the various rich velvety colors usual to the species—purple, crimson, scarlet, rose, etc.—elegantly veined with gold. Mixed colors. 10

NIEREMBERGIA GRACILIS. Tender perennial. Suitable for house culture, or may be treated as a tender annual. Fine for baskets, vases, etc. Light blue saucer-shaped flowers 5



CORNFLOWER ASTER

Stokesia Cyanea

This is one of our most charming and beautiful native hardy plants. The plant grows about 18 inches high, bearing freely, from early July until frost, its handsome lavender-blue Centaurea-like blossoms, each measuring from four to five inches across. It is of the easiest culture, succeeding in any open sunny position, and is not only desirable as a single plant in the mixed hardy border, but can be used with fine effect in masses or beds of any size. We have no hesitation in saying that the Cornflower Aster is one of the most valuable and desirable hardy plants offered.

Seed, per packet, 10 cents. Plants, each, 20 cents.

SUNFLOWER—*Helianthus*

Coarse tall plants, from four to eight feet in height, with bright yellow flowers. The double varieties produce a very good effect among shrubbery, and when used as screens. Sometimes reproduced from self-sown seed. The seeds of the single varieties are of considerable value for oil as well as for feeding poultry.

- Globosus fistulosus (*Chrysanthemum Flowered*). Best of the Sunflowers Very large; double 5
- Double Green-centered. Large flower, green center when young; when old perfectly double. Five to eight feet in height 5
- Dwarf Golden. Variegated foliage, five to six feet high. Very effective as single specimens. Seventy to eighty per cent. true from seed 10
- Extra Double Dwarf. About four feet high. Each branch, from the ground to the top of main stem, bears a golden flower 10

One packet each of the above four double varieties 20 cents

- Mammoth Russian. Very large. Usually grown for feed. Per pound, 30 cents; ½ lb., 15 cents; ¼ lb., 10 cents; oz. 5
- White Beauty. Most prolific variety grown Per pound, 35 cents; oz. 5

SWEET WILLIAM

The best varieties of Sweet William are of exceedingly beautiful colors, very large and almost perfect in form, with trusses of great size. Treatment as for Carnation. The plants are perfectly hardy, and may be increased by division of the roots. The colors pass from white to pink, crimson, carmine, and purple; with distinct eye encircled with color differing from the rest of the flower, like Phlox or Verbenas. They make very durable cut flowers. It is well to raise new plants every year from seed, for old plants become debilitated and unsightly, and the flowers decrease in size.

- Holborn Glory. New. Magnificent large flowers of the most beautiful shades 10
- Perfection (*Auricula-flowered*). Single varieties mixed 5
- Double varieties mixed 5
- Dunetti. Single. Blood-red, velvety texture 5
- White. Single. Constant 5

SALVIA—or Flowering Sage

The Scarlet Salvias are among the most brilliant red-flowering bedding plants in cultivation. They bloom from middle of July to frost. Sow seed early indoors or in a frame in time to get good plants to set out of doors the latter part of May, or when the weather is suitable. Massed in a bed, or a row or two around the verandah, they make a beautiful show. Set plants one foot apart.

Clara Bedman (Bonfire). The plants are compact and produce long spikes, of which there are sometimes two hundred to a plant, bearing from twenty to thirty flowers each. For masses on the lawn or in the garden, or in rows along the walks, its brilliant, dazzling scarlet flowers are simply gorgeous 10

Burning Bush (*S. Splendens gigantea prostrata*) This magnificent variety blooms earlier than any other Salvia, and the flowers are produced in such great numbers that they cause the spikes to droop gracefully with their weight, the effect being showy and attractive. The flowers are of a brilliant, dazzling scarlet, and borne in endless profusion all summer and fall 20

Alfred Raguenaud. A new dwarf Salvia. The plants grow only eighteen inches high, compact, and covered with flower spikes of a brilliant scarlet, clear above the foliage. Fine for massing or for border around beds of other plants 10

New Golden. Foliage a rich golden yellow, constant and distinct. Flowers brilliant scarlet, the spikes large and full, making a striking contrast. Plant only eighteen inches high. Two packets for 25 cents 15

Splendens. True; large, scarlet 10

Patens. Flowers of a delightful blue 15



SWEET WILLIAM

Per packet, 5 cents; oz., 10 cents; ¼ lb., 20 cents; ½ lb., 35 cents; lb., 60 cents; unless otherwise noted.

Not less than ¼ pound of a variety at the quarter pound rate

Shades of Red

King Edward VII. The largest and brightest red yet introduced. Crimson scarlet. Open form.

Queen Alexandra. Almost a true scarlet. Semi-hooded form. Packet, 10 cents; oz., 20 cents; ¼ lb., 50 cents.

Salopian. A little deeper shade than King Edward VII. Stands the sun well. Hooded form.

Maroon

Othello. Dark maroon self. Large, hooded form.

Shazada. Standard deep maroon. Wings dark violet. Large, semi-hooded form.

Variegated

America. Crimson scarlet stripes on white ground. The brightest striped variety. Large, open form.

Aurora. Orange rose stripes on white ground. The most attractive striped variety. Large, hooded form.

Jessie Cuthbertson. Light pink, distinctly striped on primrose ground. Large, hooded form.

Mrs. Joseph Chamberlain. Rose, striped on white ground. Very large hooded form.

Spencer Sweet Peas

A NEW RACE

This new type, of which Countess Spencer was the forerunner, is distinguished by its vigorous growth and by the size of the flowers, which have a diameter of two inches under favorable conditions. In addition, the long stemmed flowers have wavy or fluted petals. In some of the Spencer varieties this fluting is very pronounced. It should be borne in mind that liberal treatment is necessary to bring these magnificent flowers to perfection.

Six Grand Spencer Sweet Peas

Mrs. Walter Wright Spencer. Rosy mauve, a new form of Spencer of great beauty. Large bold flowers and an abundant bearer.

Black Knight Spencer. Deep maroon, same as parent with wavy standards and large wings.

Gayety Spencer. Light magenta rose striped on white. The color pure magenta with age. Medium size, semi-hooded form.

Bianche Ferry Spencer. A vast improvement in form over the old standard variety. A wonderfully bold and striking flower.

Princess Katherine Spencer. A grand new white variety, giant in size and most beautifully fluted. The buds and newly opened flowers are delicately tinted with pink and being a black seeded variety it is hardy.

Princess Alice Spencer. A beautiful shade of light lavender slightly tinted with white. Princess Alice is fully up to the true Spencer standard.

Packet, each, 15 cents; collection of six, 75 cents.

Superb Mixtures of "Spencer." Many sorts. Packet, 10 cents; 1 oz., 20 cents; ¼ lb., 50 cents; ½ lb., 85 cents; lb., \$1.50.

Mixed Sweet Peas

Vick's "Invincible Mixture," superior selected strains. The mixture introduced as "Vick's Invincible" we know will please the most exacting. For flowers of delicate colors, varying from pearly white to the richest reds and purples, the "Invincible" leads, because it is the result of selecting, year after year, seeds from the choicest flowers. The mixture cannot fail to give satisfaction. Packet, 5 cents; oz. 10 cents; ¼ lb., 25 cents; ½ lb., 40 cents; pound, 75 cents.

Eckford's Gilt-Edge, Special Mixed. Packet, 5 cents; oz. 10 cents; ¼ lb., 20 cents; ½ lb., 30 cents; lb., 50 cents.

Sweet Peas at Wholesale Prices. We offer a fine mixture composed of the standard sorts, at the following prices:

Ounce, 5 cents; ¼ lb., 15 cents; ½ lb., 25 cents; lb., 40 cents.

Vick's Standard Collection of Sweet Peas

Six Varieties which for Color and Hardiness Lead the List

As all do not care for the same colors in Sweet Peas we have arranged a combination allowing you to select your favorite colors, in packets or ounces, or in both.

White, Dorothy Eckford

Lavender, Mrs. Geo. Higginson, jr.

Red, King Edward VII.

Light Pink, Countess Spencer.

Deep Pink, Janet Scott.

Maroon, Shazada.

The set of six varieties in separate packets . . . 20 cents

The set of six varieties in separate ounces . . . 45 cents

Any three ounces and any three packets . . . 35 cents

Postage prepaid



Vick's Banner Collection of Sweet Peas

20 Varieties 25 Cents — 40 Varieties 40 Cents

Each in a Separate Packet A Perfect Rainbow of Colors

A booklet with complete descriptions and cultural directions will be sent with each order. You can by this work compare the different sorts and post yourself quite well on the different varieties of Sweet Peas.

The following varieties compose the cream of the list, and as these collections were packed before the busy season we can in no instance make changes.

40 Packets, 40 cents.	20 Packets, 25 Cents.
America.	Lottie Eckford.
Apple Blossom.	Lovely. [delay.]
Aurora.	Marchioness of Cholmon-
Countess Spencer Hybrids	Mrs. Dugdale.
Countess of Lathom.	Mrs. Geo. Higginson, Jr.
Dainty.	Mrs. Jos. Chamberlain.
Dorothy Eckford.	Mrs. Walter Wright.
Duke of Westminster.	Miss Willmott.
Earliest of All.	Modesty.
Florence Morse Spencer.	Mont Blanc.
Flora Norton.	Navy Blue.
Gladys Unwin.	Nymphæa.
Golden Rose.	Othello.
Helen Lewis.	Prima Donna.
Helen Pierce.	Prince of Wales.
Hon. Mrs. E. Kenyon.	Queen Victoria.
Janet Scott.	Sadie Burpee.
Jeannie Gordon.	Salopian.
Jessie Cuthbertson.	Shazada.
King Edward VII.	Stella Morse.
	Countess Spencer Hybrids
	Dorothy Eckford.
	Flora Norton.
	Helen Pierce.
	Hon. Mrs. E. Kenyon.
	Janet Scott.
	Jeannie Gordon.
	King Edward VII.
	Lottie Eckford. [delay.]
	Marchioness of Cholmon-
	Mrs. Geo. Higginson, Jr.
	Mrs. Walter Wright.
	Miss Willmott.
	Modesty.
	Navy Blue.
	Othello.
	Prima Donna.
	Prince of Wales.
	Salopian.
	Sadie Burpee.

PERENNIAL PEAS

Perennial Peas. Perfectly hardy. Grow five feet high. White, Red, Rose, or mixed varieties; each 5

TEN WEEKS STOCK

The Ten-Weeks or Annual Stock has nearly or quite all the requisites of a perfect flowering plant—good habit, fine foliage, and beautiful flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold-frame, but transplanting should be done when the plants are just out of the seed-leaf. Make the soil deep and rich, and set the plants a foot apart. If plants that are not too far advanced are carefully potted in the fall, they will flower finely in winter in a house that is tolerably cool and moist. For this purpose sow seeds late in the season. Although not a constant bloomer, like Phlox, the flowers endure for a long time, and the side shoots give a succession of blossoms when the plant can obtain a needed supply of moisture.

- Largest-Flowering Dwarf.** From pot grown plants. Dwarf habit, with magnificent large spikes of large double flowers. All colors mixed . . . 10
- Largest-Flowering Dwarf.** In colors, white, flesh-color, aurora, apple-blossom, rose, carmine, shining purple-carmine, crimson, blood-red, light-blue, violet, each 10
- Dwarf German,** from field-grown plants. Mixed colors 5
- Large-Flowering Pyramidal Dwarf.** Of pyramidal habit; long spikes of large flowers. Choice colors mixed 10
- Large-flowering, Pyramidal.** Celestial blue. Excellent color 10
- Snow Flake (Forcing).** This variety of Dwarf Wallflower-leaved Large-flowering Stock is the earliest white, and one of the earliest of all Ten-weeks Stocks. Admirably adapted for forcing. The snow-white flowers are uncommonly large and double. Seed produces about 60 per cent. of double-flowering plants 25
- Dresden Perpetual (Cut-and-Come-Again, or Princess Alice).** Pure white. Plants of robust growth and branching habit. If sown early commences blooming in June and continues until frost, producing flowers in September and October, when other varieties have faded. Fine for cutting 10
- Large-flowering Wallflower-leaved.** Smooth, dark, shining leaves. Dwarf. Set six inches apart. Mixed colors 10
- Wallflower-leaved White.** A beautiful variety, the flowers being the clearest possible white, contrasting grandly with the dark green, glossy foliage. Grown largely for cut flowers 10
- Wallflower-leaved Blood-red.** The deepest red of all the Stocks. A very choice variety, prized by florists for cutting 15

Early Large-Flowering Winter Stock

- Giant Nice White.** Very fine variety. 10
- Giant Nice Yellow.** Excellent 10
- Beauty of Nice.** Strong spikes, with large flowers of a delicate fleshy pink 10
- Queen Alexandra.** New. Rosy lilac, similar to preceding. Splendid 15
- Crimson King.** New. Brilliant fiery crimson. Beautiful 10



VICK'S VERBENAS

BROMPTON STOCK

Both plant and flowers are larger than the Annual stock, and the spikes longer and bolder. The Brompton Stock cannot survive our winters, but plants can be removed to the house in the fall, where they will flower well if not kept too hot and dry. In spring they can be transferred to the garden. Biennial.

- Empress Elizabeth.** Splendid. Immense spikes of bright carmine flowers. Superb both for pots and cutting 15
- Best mixed colors** 10

SCABIOSA—Mourning Bride

The Scabiosa is an old favorite, and of late years has been greatly improved. The flowers are borne on long wiry stems, in white, yellow, pink, scarlet, crimson, and maroon. Beautiful in the garden, and excellent for bouquets. Twelve to eighteen inches high. Annual.

- The Pompadour, New Double.** A remarkable improvement in the Scabiosa, with florets very much increased in size, variety, and brilliancy of color, making it doubly desirable for use as a border plant and for cut flowers for decorative purposes 10
- Double Tall.** Mixed colors 5
- Double Dwarf.** A pretty compact plant. Mixed colors 5
- Double Yellow.** A distinct color, obtained after years of careful selection 10
- Double White (Snowball).** Pure white 5
- Royal Purple.** Large-flowered double. Color rich claret 5



SWEET ROCKET

The Sweet Rocket is a very hardy perennial, bearing clusters of single flowers, which are fragrant during the evening. Colors purple and white. The plant, with fair culture, will grow eighteen inches high. Seed will germinate readily in open ground. Sweet Purple, Sweet White, or mixed, each . . . 5

SHASTA DAISY

A very hardy perennial, blooming better and more abundantly each season and continuing to bloom for several months. The pure white flowers are from two and one-half to four inches in diameter, and are borne on single, long, stiff, wiry stems. The blooms when cut remain perfectly fresh and in good condition for two weeks or more. Seed, per packet, 10 cents. Plants, each 20 cents.

VICK'S VERBENAS

Very few plants will make such a gorgeous display during the summer months as the Verbenas, or furnish more flowers for cutting. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual. They flower in July, and continue strong and healthy until destroyed by frosts. For more than thirty years we have made a specialty of Verbenas, and our stock today stands unrivaled.

- Auricula-Flowered or White-Eyed.** Mixed colors 10
- Striped.** Excellent flowers, with Carnation-like stripes 10
- Scarlet.** Brightest scarlet. Quite true 10
- Pure White.** Quite true from seed 10
- Cloth of Gold.** The golden yellow leaves present a unique appearance. Fine Mixed 10
- Cœrulea.** Blue shades 10
- Lutca (Primrose).** Yellow 10
- Purplish Violet,** with large white center 10

One packet of each of the above eight varieties for 60 cents.
Verbena hybrida. Extra large flowers, fine mixed colors, choice seed, saved only from the most beautiful named flowers, ounce, \$2.50 10
 Mixed colors 5

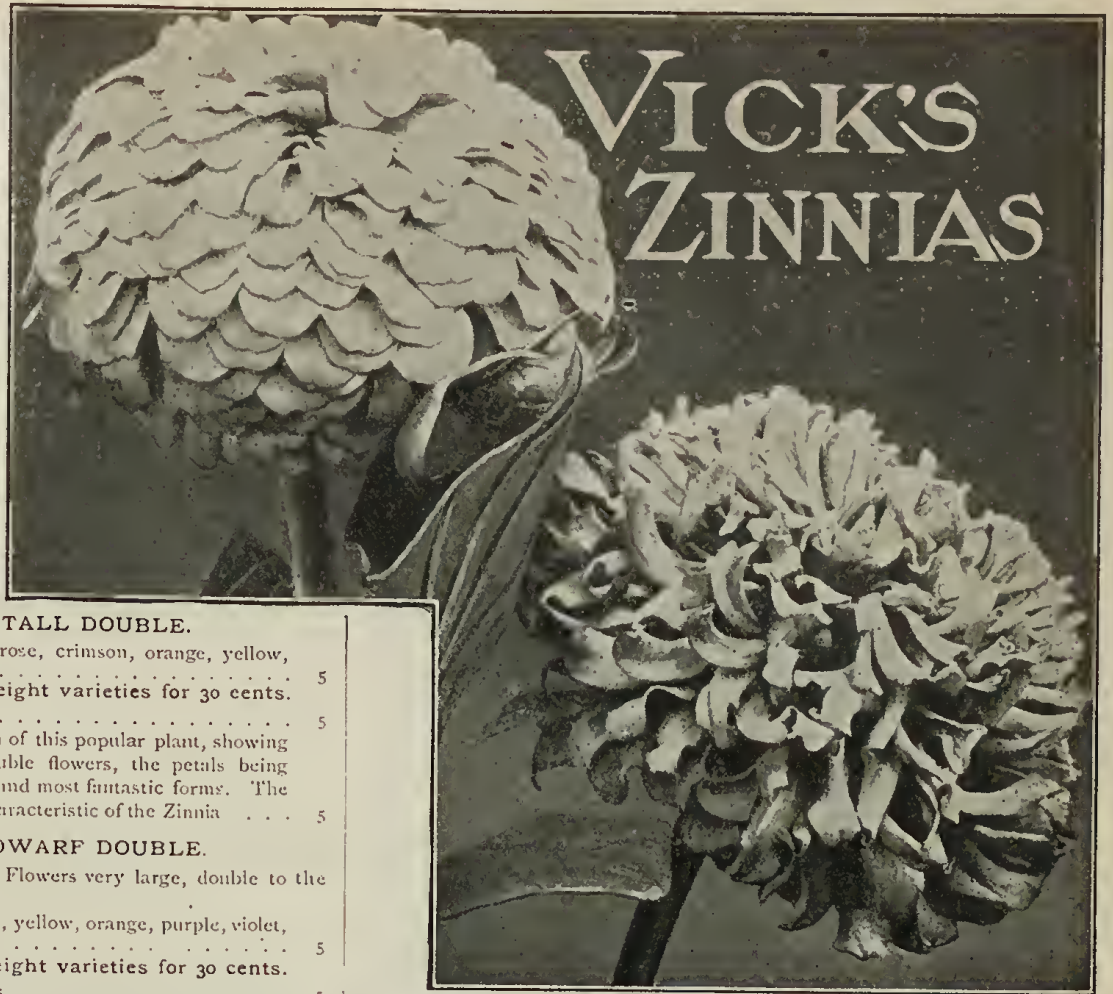
Vick's Zinnias

A bed or border of Vick's Giant-flowering Double Zinnias, in either mixed or separate colors, is surprisingly beautiful in the range of colors, as well as the size and perfection of the flowers. Seed sown in the open ground will produce strong plants, which will thrive and bloom from early summer until killed by late frosts. Set plants from twelve to eighteen inches apart. The young plants can be easily transplanted if desired.

GIANT-FLOWERING DOUBLE

Plants of vigorous growth, about three feet high, bearing profusely their perfectly-formed double flowers, from four to five inches in diameter.

- Scarlet Striped Gold 10
- Citron-Yellow 10
- Queen Victoria. A variety of vigorous growth, with very double pure white flowers about four inches in diameter 10
- All colors mixed 10



LARGE-FLOWERING TALL DOUBLE.

- Separate Colors—lilac, purple, scarlet, rose, crimson, orange, yellow, white—each. 5
- One packet of each of the above eight varieties for 30 cents. 5
- All colors mixed, ounce, 50 cents 5
- Curled and Crested. A beautiful strain of this popular plant, showing on each plant from 100 to 200 large double flowers, the petals being crested, twisted and curled into graceful and most fantastic forms. The colors comprise all the beautiful shades characteristic of the Zinnia 5

LARGE-FLOWERING DWARF DOUBLE.

- Only two feet high; compact-growing. Flowers very large, double to the center, and of perfect form.
- Eight separate colors,—crimson, scarlet, yellow, orange, purple, violet, salmon, and pure white; each color 5
- One packet of each of the above eight varieties for 30 cents. 5
- Choicest colors mixed; ounce, 50 cents 5
- Double Striped. A class embracing colors of the Large-Flowering Dwarf Zinnias, with striped and blotched petals. They grow about 50 per cent. striped, remainder solid colors. Mixed colors only 10

LILLIPUT VARIETIES.

- Exceedingly pretty plants, fifteen inches high, and thickly branched. Flowers but little larger than a Daisy in size, very double, and freely produced all summer and until late in fall. Fine for pots, as well as for groups and borders. Golden Gem. Scarlet Gem. White Gem. Orange Gem. The four for 30 cents; each 10
- Mixed Colors 10

TOM THUMB

Varies from four to twelve inches in height, and from six to fourteen inches in diameter, forming compact, free-flowering, pigmy bushes, suited for edgings, small beds, and pot plants. Mixed colors 10

Vick's Collection of Zinnias

Attention is called to the magnificent colors of the flowers of the Large-Flowering Zinnias. It is not long since the Zinnia was considered a coarse plant, with muddy color effects in the flowers, and we must confess that we are surprised at the improvements made in the past few years. On our trial ground Zinnias were grown beside Dahlias, and the solid colors equaled in brilliancy the more aristocratic flower. We are sure that any who purchase the collection in separate colors will be more than pleased with their investment.

Tall Double, Eight separate colors —

Lilac, purple, crimson, scarlet, rose, orange, yellow, white,
— in one collection for 30 cents.

WALLFLOWER

These deliciously fragrant half-hardy perennials should be better known. By growing plants in the garden and transplanting to pots in the autumn; or better, by placing plants in pots when taken from the seedbed, and sinking the pots to the rim in earth, good plants will be secured for winter flowering in the house. Give a cool room and plenty of water, or they may be protected in a coldframe during winter, and planted out in May. Where winters are not very severe the Wallflowers make most desirable plants, giving plenty of early spring flowers.

- Fine mixed colors, double 10
- Flowering first season fine mixed colors, single 5

THUNBERGIA

Beautiful, rapid-growing annual climbers, with pretty flowers (white, buff, or orange, with dark eyes) borne in profusion. Seeds start slowly at first, and should be sown in a hotbed. When the plants are a few inches high transplant to a light, rich, loamy soil in the garden. For house culture, baskets, and vases, there are few plants superior to the Thunbergia. They may be used very effectively in beds, pegged down. Mixed colors 10

VIOLETS

- Viola odorata** is the well-known English Violet, a free-flowering hardy perennial. May be grown from seed, though somewhat slow in germinating. Succeeds best in a partially shaded, moist place.
- Viola odorata (semperflorens)** Deep violet-blue, and deliciously fragrant 10
- The Czar. Blue and White, sweet-scented, each 10
- Viola cornuta.** This is a beautiful old border flower which, since its introduction into the summer flower-garden, has been taken in hand by the hybridizer, and many lovely forms of it now enrich our collections. It commences to flower early in the season and continues until frost. Habit and constitution robust; flowers large and delicately fragrant.
- Viola cornuta Admiration.** Magnificent flowers of a beautiful dark blue 10
- Viola cornuta.** Dark blue, lavender, and white. Sold only in mixture 10
- Viola cornuta.** Tufted Pansies. All the finest colors mixed 10
- Viola lutea grandiflora (splendens).** Large yellow 10

VINCA—Madagascar Periwinkle

The Vincas are very ornamental, and bloom freely from early summer until destroyed by frost. In the fall they can be potted and kept in bloom through the winter. Seeds can be started in the window or under glass. They are raised for planting in the parks of Rochester in the following manner: Seeds are sown the last of March in "flats" or shallow boxes, and placed in a hotbed. When seedlings are large enough to handle they are transplanted into other flats and grown along in the hotbed until the middle of May and then hardened off. About June 1st they are planted out about one foot apart in the beds where they are to bloom. Seed sown in coldframe from the 1st to 15th of April will also give good plants in time for setting out. Annual.

- Rosea. Rose 10
- Rosea nova species. White 10
- Rosea alba. White, red eye 10
- Mixed varieties 10

EVERLASTINGS

- Acroclinium.** One of the most beautiful Everlastings. Gather the first day they open to secure a bright center when dried. Bright rose and white. Single varieties, both colors mixed, ounce, 30 cents 5
Double varieties mixed 10
- Gomphrena (Globe Amaranth).** Start seed in a hotbed, if possible. Set the plants about a foot apart. Mixed varieties, ounce 20 cents 5
- Helichrysum monstrosum.** Flowers double, large and full, and of a good variety of colors. Two feet. Cut just before the flowers fully expand. Plant about a foot apart. Seeds germinate readily, even in the open ground. Mixed colors 5
- Helipterum** grows about a foot in height, branching, bearing very many clusters of flowers. Should be taken when the buds are about opening, tied in bunches, and hung up in a shady place. The flowers will open in the drying process, retaining their color and brightness for many years.
- Sanfordii.** Choice. Flowers small, rich yellow 5
- Rhodanthe.** Fine for garden. Comes into flower early and continues a long time. One of the best everlastings for bouquets. Care is necessary in starting seeds. After good plants are grown we never fail to obtain abundance of flowers. Fine single mixed 10
- Xeranthemum.** Free-blooming annual. One foot. Seeds germinate freely. Transplants well when young. Set ten inches apart. Mixed colors. 5

SEEDS OF BULBS

- There are a few bulbs which do not come to perfection very rapidly from seed, and therefore amateurs have seldom patience to wait for this slow process, but obtain plants or bulbs that will flower the first season. A few, however, derive pleasure in watching the development from the tiny seed to the perfect plant. For the benefit of such we always keep a stock of these seeds, a few of which we mention.
- Dahlia.** Choicest double varieties mixed 10
Dahlia. Finest single varieties mixed 10
Gladiolus 10

ORNAMENTAL GRASSES

- Agrostis nebulosa.** The most elegant of Ornamental Grasses 5
Arundo Donax variegata aureus. Perennial. Strong stem, with golden-yellow striped leaves. Six feet high 5
Briza maxima. Perfectly hardy. One foot 5
Briza geniculata. Small; flowers freely. Eight inches 5
Chrysurus cynosuroides (Lamarckia aurea). Feathery spikes 5
Coix lachryma (Job's Tears). Two feet; Corn-like leaves. Ounce 20c 5
Erianthus Ravennæ. As fine as Pampas Grass. Superior for a northern climate. Hardy. Plants, 15 cents each; seeds 5
Gynerium argenteum (Pampas Grass). A noble Grass, flowers second season. Not hardy here 5
Hordeum jubatum (Squirrel Tail Grass). Fine 5
Lagurus ovatus. Dwarf. Called Hare's Tail Grass. One foot 5
Pennisetum longistylum. A very graceful grass, growing eighteen inches 5
Stipa pennata (Feather Grass). Magnificent. Flowers second season 5

SEEDS OF HARDY CLIMBERS

- These plants are mostly obtained by purchasing roots, and this is the better way when they can be procured. Some, however, cannot get plants, and must be content with seeds. Sow very early in spring or autumn, in drills, in well-prepared beds. Keep the soil mellow.
- Ampelopsis quinquefolia.** Virginia Creeper 5
Ampelopsis Veitchii. (Japanese Ivy.) Good wall plant, clinging to the smoothest surface. Absolutely the finest of the clinging climbers 5
Bignonia (Tecoma) radicans. Trumpet Vine 5
Celastrus scandens. Climbing Bitter-Sweet. 5
Clematis Flammula. Fragrant, white 5
Clematis Vitalba. White 5
- WILD GARDEN.** Mixed Flower Seeds in great variety, for sowing broadcast, per ounce, 20 cents 5

SEEDS OF TENDER PLANTS

MANY persons take great pleasure in growing plants from the seed, and as many of these seeds are small, they require care in sowing. Most of the plants in this department come from warm, moist climates, so we must supply similar conditions artificially. To do this without a greenhouse, sow the seeds in boxes or large pots; make a compost of three parts rotted sod and one part fine sand; this makes a rich soil that will not bake. Sow the seed very thin on the surface, then sift a very little fine earth over them, and water gently through a fine sprayer; lay a piece of glass over the top, and put the boxes or pots where they may have ordinary warmth and light, but no direct sunlight. When the plants are up remove the glass, or they will become mouldy and decay near the surface of the ground. As soon as they have made two leaves, transplant carefully into another box or pot of similar soil, set in a shady place for a few days, and water very sparingly. When somewhat established, remove them to the light.

- Abutilon (Chinese Bell-Flower or Flowering Maple).** The well known greenhouse shrub which will bloom most freely with very common treatment. Sown any time before April in a temperature of about 60 degrees, they will produce strong flowering plants the first season. Finest varieties mixed. 10
- Begonia Rex-Diademata.** This seed has been saved from the largest and finest collection in Europe, and contains all the latest varieties 50
Single Tuberous-rooted. Finest mixed 25
Double Tuberous-rooted. Finest mixed 50
- Calceolaria.** The Calceolarias are very beautiful and popular plants, producing masses of peculiar pocket-shaped, striped, blotched, and variegated flowers. They make gorgeous plants for greenhouse or window.
hybrida grandiflora. Large-flowered, self-colored, rich and beautiful; saved from finest collection 25
hybrida tigrina. Large-flowering, tigered and spotted. Finest mixture of most brilliant and beautifully marked flowers 25
- Carnation, Remontant or Tree Carnation.** Italian 25
- Chrysanthemum Indicum,** from a fine collection of show flowers. 25
- Cineraria.** These may be classed among the most useful flowering plants we possess, and are comparatively easy to grow from seed. Their exceedingly bright colors and compact habit constitute them most suitable conservatory decorative plants.
hybrida, choice mixed 25
hybrida grandiflora. From the largest-flowered prize varieties. Splendid mixed 50
- Cineraria maritima (Dusty Miller).** Leaves silvery gray. Fine for vases, hanging baskets, and ribbon planting. 5
- Clianthus Dampieri (Australian Glory Pea).** A magnificent climbing plant of quick growth, bearing intense scarlet, singular-shaped flowers, with a black central base. Plant in a warm, dry position. Tender perennial, four feet high 10
- Coleus.** These very free-growing plants are remarkable for the bright colors of their foliage, with all the shades of red from pale pink to deepest crimson, and green from faintest to dark olive combined with yellow. Sow seed in March. Mixed seeds from choicest sorts 25
- Cuphea (Cigar Plant).** A dwarf perennial with smooth lanceolate leaves, and tubular scarlet flowers. Profuse flowering. One foot high 10
- Cyclamen Persicum giganteum.** Choice strain, large flowers, rich colors 20
Persicum. Choice mixed 10
- Fuchsia.** Splendid mixture of single and double 50
- Geranium.** Fine mixed 10
Apple-scented 25
Gold and Bronze-Leaved 25
Choicest fancy varieties, (Lady Washington) mixed sorts. 25
- Gloxinia hybrida.** Best quality; from choice show flowers. 25
- Grevillea robusta (Silk Oak).** A beautiful decorative plant 10
- Hibiscus coccineus.** Scarlet. Three feet 10
- Impatiens Sultani.** Rosy-carmine. Constant bloomer 10
- Lantana.** Finest mixed 10
- Linaria Cymbalaria (Kenilworth Ivy).** Lavender and purple 10
- Nerium Oleander.** Common Oleander 10
- Oxalis floribunda.** Fine for baskets or for pots. White and Pink mixed 10
- Passiflora cœrulea.** The hardest Passion Flower 10
- Poinciana Gillesii (Bird of Paradise).** A beautiful plant, with large, bright golden-yellow flowers, produced in large trusses 10
- Primula Sinensis (Chinese Primrose) fimbriata rubra.** Red; extra 25
fimbriata alba. White; extra 25
fimbriata striata. White, striped with red 25
Choicest fringed varieties mixed 25
- Fern-leaved.** Very pretty Fern-like foliage. Red and White, separate or mixed, each 25
- Double Fringed.** A large percentage of the flowers perfectly double. Choicest mixed 50
Double White 20
- Forbesii (Baby Primrose).** Fine for the house, needing little care 5
obconica grandiflora. White. Profuse bloomer, bearing on long stems heads with 10 to 15 flowers, occasionally shading to lilac. 15
obconica grandiflora. Mixed varieties 15
- Schizanthus Wisetonensis.** As a pot plant this has hardly a superior. It is literally covered with small orchid-like flowers and remains in bloom from four to six weeks 15
- Smilax.** A graceful as well as useful climber for the greenhouse or window. It is invaluable for bouquets and floral decorations. Sow seed in February in hot-bed or greenhouse, and keep in a moist place 10
- Solanum ciliatum.** Red-fruited. Very fine 10
- Stevia serrata.** Pure white; fragrant. Excellent for bouquets 10



Hardy Plants and Bulbs



For a complete list of the Best Hardy Plants for the garden you are referred to our Catalogue "Hardy Plants, Old and New," which illustrates and describes Hardy Plants, Roses, Shrubs and Climbers. A copy will be mailed free on request.

ANEMONE

Whirlwind. This new double variety has the habit, and all the other good qualities of the Single White Japan Anemone, with the additional ones of greater hardiness and more lasting blooms. The flowers are two and a half to three inches across, and have several rows of white sepals. The plants grow from two and a half to three feet in height. Each, 20 cents; per dozen, \$2.00.

Queen Charlotte. Early-flowering, vigorous grower. Begins flowering in August, and continues until November, becoming more attractive each day. Flowers semi-double, broad, perfectly formed, and of a delightful shade of silvery pink. Each, 20 cents; per dozen, \$2.00.

ACHILLEA

"The Pearl." The blossoms are of purest white, and so large that they resemble a Pompon Chrysanthemum. Hardy, and will thrive in almost any situation. Very desirable for the garden or cemetery. Blooms nearly the whole season. Each, 20 cents; three for 50 cents.

AQUILEGIA

Chrysantha. The beautiful golden-yellow Columbine. Each, 20 cents.

Cœrulea. The true Rocky Mountain Columbine. Flowers blue. Each, 20 cents.

Skinneri. Scarlet and yellow. Each, 20 cents.

HARDY ASTERS—Michaelmas Daisies

The hardy Asters produce an abundance of bloom in the fall, when other flowers are scarce. Each, 20 cents; per dozen, \$2.00.

Lady Trevelyan. Pure white. Dwarf. Pyramidalis. Light blue. Dwarf. White Queen. Pure white. Tall.

HIBISCUS

Crimson Eye. Pure white, with a velvety crimson center. Each, 20 cents; two for 35 cents.

Large-Flowering. Color deep pink. Each 20 cents; two for 35 cents.

Militaris. Delicate flesh-pink flowers, tinged with deeper color towards the center. Each, 20 cents; two for 35 cents.

HOLLYHOCK

We have excellent healthy plants, grown from seed, that will flower the first summer, and usually for three or four summers after.

Double, Assorted colors. Each, 20 cents; six for \$1.00.

"Allegheny." New Fringed Perpetual-Blooming. A great improvement in Hollyhocks. The flowers come single, semi-double, and double. Each 20 cents; six for \$1.00.

IRIS PALLIDA DALMATICA

This is the noblest of all the Iris family, the stems growing from three to four feet high, with leaves two inches wide and eighteen inches long. The flowers are sky-blue in color and very fragrant. Each, 50 cents; dozen, \$5.00.

JAPAN IRIS

The flowers of the Japan Iris are of the richest colors, ranging from white to purple, with delicate markings and veinings, and quite different in form from those of the German Iris, being much flatter and larger. Named varieties all double, each, 25 cents; per dozen, \$2.50.

Blue Danube. Deep indigo blue, violet shadings.

Gold Bound. Pure white.

Hyde Park. Reddish purple, striped white.

Mahogany. Dark red, shaded maroon.

Paragon. Rich velvety purple.

Spotted Beauty. White spotted with violet crimson.

GERMAN IRIS

Perfectly hardy. They bloom in May and June, when there is always a scarcity of flowers. Plant three inches deep. Each, 20 cents; six for \$1.00.

Bacchus. White, edged lavender blue. **Celeste.** Light blue.

Gesneriana. White and lavender. **Madeap.** Lavender and purple.

Harlequin. Lavender, lower petals striped purple.

Madame Chareaux. White.

Phidias. Bright yellow, lower petals mahogany.

MONARDA DIDYMA

An exceptionally fine hardy perennial for planting among bulbs or in a mixed border. The plant grows about 2½ feet high, branching freely, and bears multitudes of bright red, showy flowers which are surpassed in intensity of color only by the Cardinal flower. For a mass of color it is very striking. Each, 15 cents; two for 25 cents.

SHASTA DAISY

A new hardy perennial. The flowers are pure white, with a bright yellow center, average about four inches in diameter, and are borne on long, stiff, wiry stems. Valuable for cutting, remaining fresh for two weeks or more. Each, 20 cents. Dozen, \$2.00.



PERENNIAL PHLOX

Our friends who remember the old-fashioned Perennial Phlox of our grandmother's garden would hardly recognize the beautiful varieties grown to-day as hearing any resemblance to them. The improvement has been truly wonderful. Instead of the small, dull-hued flowers of olden times, we now have immense trusses, all bright and showy, the individual flowers three times the size of the old varieties, and the colors ranging from purest white to violet. With Perennial Phlox a show of brilliant flowers can be had from June until November, as they are perpetual bloomers. Perfectly hardy.

Strong field-grown plants, each, 20 cents; per dozen, \$2.00.

Coquelicot. Bright scarlet.

Cyrano. Large, perfect flowers; pink, with crimson center.

Eclairer. Flowers of immense size, carmine, salmon center, rosy white star.

Eiffel Tower. Clear salmon, purple eye.

Esclamonde. Rosy lilac, shaded white; large purple center surrounded with white halo.

Fabriant Wiese. Carmine, shaded violet.

Isabey. Orange-salmon, center purplish crimson.

King of the Purples. A fine shade of purple.

M. Bezanson. Fiery crimson, velvety purple eye.

Pantheon. Salmon rose.

Premier Ministre. Rosy white, center crimson.

Purity. Pure white.

Richard Wallace. Pure white with distinct violet eye.

Sensation. Lilac rose, white center.

The Pearl. The finest pure white variety.



CHINESE PEONIES

The Chinese Peonias are desirable on account of their large size, fine colors, and profuse blooming. They are perfectly hardy, and will succeed on any ground unless so wet that the water will lie on the surface in the winter and spring. May be planted either in the autumn or spring. Extra fine roots, each, 30 cents; per dozen, \$3.00; except as noted.

- Active.** Rose, late bloomer.
Amabilis lilacina. Blush, center cream and white.
Brueji. Blush; center white.
Buyckii. Rose, center salmon and rose.
Centripetala. Salmon and rose.
Claptoniana. Pure white.
Dr. Bretonneau. Rose.
Duchess de Nemours. Pink and rose shaded lilac.
Festiva alba. Pure white. 35 cents.
Fragrans. One of the best pink varieties.
Humea alba. Single white with yellow center.
Lilacina plena. Blush, center white.
Limbata. Rose; large and fine.
Tenuifolia flore-pleno. Foliage graceful and slender, making a fine contrast when arranged with the double dark crimson flowers, that nearly rival the rose in delicate perfume, perfection of bloom, and brilliancy of color. Blooms earlier than other varieties. Each, 50 cents; two for 90 cents.
- Lutea variegata.** Blush, center white.
Madame Cabot. Pure white, very fine. 50 cents.
Magnifica. Delicate pink, changing to white. Each, 50 cents.
Nivalet. Rose; very fine.
Officinalis rubra. Rich deep crimson, very early; one of the brightest of the dark-colored varieties.
Perfection. Rose, center salmon.
Plenissima rosea superba. Deep rose, tinged salmon.
Pomponia. Rosy pink, salmon center; fragrant
Pulcherrima. Rose.
Purple Crown. Dark velvety purple



HARDY PINKS

These pinks are perfectly hardy, and will remain in the open ground all winter without protection.

Each, 20 cents; two for 30 cents; per dozen, \$1.50.

- Comet.** A fine shade of red, flowers double, clove scented.
Her Majesty. Flowers very large, fringed, very double, and pure white. Fragrance delicious, clove-scented. Long stiff stems support the flowers.
Souvenir de Sale. Flowers a delicate soft rosy pink, being fully as large as a Carnation; beautifully formed, very double, and exceedingly useful for cutting. One of the best Pinks.
White Reserve. A nicely fringed white.

RUDBECKIA

GOLDEN CLOW. (*Rudbeckia laciniata flore-pleno*). A beautiful hardy perennial, eight feet high, blooming from July to September. Flowers double, deep golden yellow, borne on long stems, making it suitable for cutting. One of the most effective decorative plants for garden or lawn. Each, 20 cents; two for 30 cents; dozen, \$1.50.

Newmani. Single, golden yellow, with black center; grows about eighteen inches high. Each 20 cents.

Cornflower Aster, Stokesia Cyanea

One of the most valuable of the native hardy plants, growing from 18 to 20 inches high, and of the easiest culture, succeeding in any open sunny situation. The flowers are borne profusely from July until frost, are of a handsome lavender-blue color, and measure from four to five inches in diameter. The Stokesia is not only desirable as a single plant, but makes a fine effect in beds or masses. Each, 20 cents.

TRITOMA—Flame Flower

Pfizerii. A grand improvement on the old Tritoma *Uvaria grandiflora*, or Red Hot Poker. The flower spikes, which are produced with considerably more freedom than in the old variety, are of gigantic size, frequently four and a half feet high, with heads of bloom over twelve inches long, of a rich orange-scarlet, shading to salmon-rose on the edge. Each, 25 cents; dozen, \$2.50.

McOweni. A charming variety, very early to come into bloom, stems long, truss rather loose; color orange scarlet and yellow. Each, 20 cents; dozen \$2.00.

MEMORIAL VIOLET

A new pure white, single hardy Violet. The blossoms are of good size without markings of any kind; the stems long; foliage abundant. Will grow in full sunshine but flourishes particularly well in shady places, covering the ground with a mass of attractive foliage. Blooming in this latitude in time for Memorial Day, it is especially useful and desirable. Each, 25 cts.; dozen, \$2.50.

BLEEDING HEART. *Dicentra spectabilis.* Bears heart-shaped, deep pink flowers, a dozen or more being borne in a graceful drooping raceme a foot in length. Each, 30 cents.

CLEMATIS DAVIDIANA. A vigorous, hardy plant, two to four feet high, flowers bell-shaped, deep lavender or violet in color, very fragrant; and are produced in clusters in great profusion. Strong plants, each, 25 cents; two for 40 cents.

COREOPSIS LANCEOLATA. The flowers are a rich golden yellow, of graceful form and invaluable for cutting. In bloom from June until October. Each, 20 cents; dozen, \$2.00.

EULALIA. Handsome, tall, ornamental grasses for the open lawn, or to be grown in clumps in the borders of shrubbery.

Japonica zebrina. Stripe or marking is across the leaf instead of lengthwise.
Japonica variegata. This variety, except that the variegation of the leaf is lengthwise, is very similar in style and growth to *E. Japonica zebrina*.

Gracillima univittata. The most beautiful of all the Eulalias. Foliage narrow, dark green, with a silvery white midrib.

Each, 20 cents; one plant each of above three for 50 cents.

FOXCLOVE. *Digitalis.* A highly ornamental perennial plant of stately growth. Excellent for planting in shrubberies with other half-hardy plants. The racemes of flowers are often two feet in length. Each, 20 cents.

GAILLARDIA GRANDIFLORA. Among the most attractive and effective of our hardy perennial plants. Will thrive in almost any position or in any soil. One mass of bloom from June till autumn. Flowers from 2½ to 3½ inches in diameter, borne on long stems, and of gorgeous coloring. Excellent for cutting. Each, 20 cents.

CYPSOPHILA PANICULATA. Gypsophilas are valuable for bouquet making, either green or dried. They are very graceful and easily cultivated. Should be in every garden. Flowers white. Each, 20 cents.

LARKSPUR. Delphiniums are valuable plants for the herbaceous garden, and will give perfect satisfaction to any one who grows them. Their long spikes of flowers are produced from June until frost.

Formosum. The finest blue known among our hardy plants. Each, 20 cents.

Bee Larkspur. Remarkable and interesting, the petals being folded up in the center of each flower so as to resemble a bee. Flowers lighter than Delphinium formosum. Each, 20 cents.

Sinensis. Foliage delicately cut. Large panicles of handsome flowers vary in color from white to blue. Each, 20 cents; dozen, \$2.00.

LYCHNIS CHALCEDONICA. Produces large heads of brilliant scarlet flowers. A gem for cut flowers. Each, 20 cents; dozen, \$2.00.

LOBELIA CARDINALIS. Cardinal Flower. Flowers rich fiery cardinal color. Each, 20 cents; dozen \$2.00.

PENTSTEMON BARBATUS TORREYI. Most useful hardy perennial, blooming from June until autumn, with panicles of brilliant scarlet flowers. Very fine. Each, 20 cents; per dozen, \$2.00.

PLATYCODON GRANDIFLORUM. The Chinese Bell Flower. In bloom the entire season. The flower resembles the Clematis in size and color. Two varieties, blue and white. Each 15 cents.

PRIMULA VERIS SUPERBA. Pale yellow. The plant is six to eight inches in height, is perfectly hardy, and flowers earlier and continues in bloom longer than any other Primula. Each, 20 cents; per dozen, \$2.00.

PAPAVER ORIENTALE. The well-known Oriental Poppy. Flowers scarlet. Each, 20 cents.

VERONICA SPICATA. An elegant border plant. Long spikes of deep blue flowers. Each 20 cents; dozen, \$2.00.

YUCCA FILAMENTOSA. Erect plant with sharp pointed leaves. Perfectly hardy. Flowers creamy white; bell-shaped. Each, 25 cents; dozen, \$2.50.

Vick Quality Collection of Beans, Corn and Peas
 Gives a succession of vegetables. See page 27.

SELECTED LILIES FOR THE GARDEN

Suggestions for Planting

Plant Lily Bulbs eight or nine inches deep. Many fail in this particular, setting the bulbs so near the surface that the frosts of winter almost throw them out of the soil. The Lily throws out roots from the stalk above the bulb, and these serve the double purpose of supplying nutriment to the plant and of bracing and sustaining in position the heavy weight of the blossoms.

The soil for Lilies should be made rich with old, well-decayed manure, thoroughly incorporated with the soil; but fresh dressing must never be used, nor must any come in contact with the bulbs. They should be set on and surrounded by a layer of pure sand. When the ground freezes in the fall, apply a covering of stable litter or leaves, which may be forked in, in the spring, thus supplying enrichment to the soil.

For \$1.00 at single rates purchasers may select to the amount of \$1.25.



LILIUM AURATUM, THE GOLDEN-BANDED LILY

AURATUM. The Golden-Banded Lily of Japan

We have the finest stock of this most popular Lily that we have handled in several seasons. It has been a favorite variety for outside purposes for many years and no garden, however small, should be without it. Its ease of culture and magnificent flowers of a delicate ivory color thickly dotted with chocolate-crimson spots and a gold band running through the center of each petal, make it one of the most desirable varieties of garden lilies. Blooms about July 20th. While it is hardy, for best results some protection should be given the bulbs in the fall. Extra strong bulbs, imported directly from Japan for our customers, 25 cents each; \$2.50 a dozen.

Auratum platyphyllum is a close ally of *L. auratum*. The flowers are from ten to twelve inches across and with much broader petals, studded with crimson-chocolate spots. The crimson is not quite as prominent as in *L. auratum*. The leaves are broad and lustrous. Each 30 cents; dozen, \$3.00.

Canadense. Our native Lily, flowers drooping, delicate scarlet, yellow throat, spotted black. Blooms July 10th. Each 20 cents; dozen \$2.00.

Elegans Batemani. A beautiful Japanese variety; flowers upright, of clear apricot yellow; strong and hardy; should have a place in every garden. Blooms about July 15th. Each, 25 cents; dozen, \$2.50.

Elegans Best Light Red. Light red. Blooms about July 1st. Each, 25 cents; dozen, \$2.50.

Elegans incomparabile. Blood-red. Blooms July 1st. Each, 20 cents; dozen, \$2.00.

Elegans Wallacei. Flowers rich vermilion-orange, spotted maroon. Blooms in the autumn. Fine. Each, 20 cents; dozen, \$2.00.

Hansoni. This is a rare early-flowering species, of a beautiful yellow color, petals very thick, dotted with purple. One of the handsomest varieties. Blooms second week in June. Each, 30 cents; dozen, \$3.00.

Humboldtii. Orange, spotted claret. Extra fine. Each, 30 cents; dozen, \$3.00.

Japonicum longiflorum. White, trumpet-shaped. Blooms about 20th of July. First size, each, 20 cents; dozen, \$2.00.

Leichtlinii. Canary-yellow, spotted red. Each, 30 cents; dozen, \$3.00.

Leichtlinii Maximowiczii. Salmon-scarlet, with large purple dots. Blooms from August till frost. Each, 30 cents; dozen, \$3.00.

Pardalinum. The best of the Canadense class. Yellow and red spotted. Blooms about July 10th. Each, 25 cents; dozen, \$2.50.

Parryi. Pure lemon-yellow, long trumpet-shaped flower; very fine. Each, 30 cents; dozen, \$3.00.

Speciosum rubrum. White and rose, dark crimson spots. Blooms August 15th. Each, 20 cents; dozen, \$2.00.

Speciosum Melpomene. Crimson, spotted with deep blood-red; each petal distinctly bordered with white. Same habit of growth as *rubrum*. Stems dark and color of flower much deeper. Each, 25 cents; dozen, \$2.50.

Speciosum Magnificum. Recently discovered on one of the numerous Japanese Islands; is a new and much improved type of *L. Speciosum Melpomene*, but very much richer in color. The flower stems are more vigorous and erect and the leaves larger. Each, 30 cents; dozen, \$3.00.

Speciosum album. White. Blooms August 15th. Each, 25 cents; dozen, \$2.50.

Superbum. Yellow and orange-red; drooping. Three to six feet high, bearing from five to twenty flowers. Blooms July 15th. Each, 20 cents; dozen, \$2.00.

Tenuifolium. One of the most beautiful and delicate of the early-flowering varieties. Flowers dazzling vermilion-scarlet, suspended from slender graceful stems; they are so bright as to attract attention from a great distance. Blooms about June 1st. Each, 20 cents; dozen, \$2.00.

Tigrinum splendens. Improved Tiger Lily. Blooms about August 1st. Each, 15 cents; dozen, \$1.50.

Tigrinum fl. pl. Double Tiger Lily. Blooms about August 15th. Each, 20 cents; dozen, \$2.00.

For a complete list of the Best Hardy Plants for the garden, you are referred to our Catalogue "Hardy Plants, Old and New," which illustrates and describes Hardy Plants, Roses, Shrubs and Climbers. A copy will be mailed free on request.

DAY LILIES

The Day Lilies are superb autumn flowers, desirable for planting on the side of a lawn or at the edge of shrubbery.

Funkia alba (White Day Lily). Broad, light green leaves. Flowers large, pure white; fragrant. Each, 20 cents.

Funkia Japonica. Light blue, with narrow foliage. Each, 20 cents.

Funkia undulata media pieta. Lavender. Foliage light green, beautifully variegated with white. Each, 25 cents.

Yellow Day Lily (Hemerocallis flava). A fine hardy plant, producing an abundance of large, golden yellow flowers. Sometimes called Lemon Lily. Each, 20 cents.

The above four sorts for 70 cents.

Golden Day Lily. (Hemerocallis aurantiaca major.) One of the finest perfectly hardy herbaceous plants. The plant is vigorous in habit; the foliage rises to a height of two feet, and is of a deep green. The flower spikes are strong, bearing as many as twelve flowers in succession, which are seven to eight inches across, of a rich orange-yellow, quite distinct. Each, 30 cents; two for 50 cents.

Magic Flower

Lycoris Squamigera

A Japanese Floral Aristocrat

When we say the Lycoris belongs to the stately Amaryllis family we place it in the class of floral aristocrats. It comes to us from Japan, and is not only peculiar and odd in its habit of growth, but is positively distinct from any other Lily in its beautiful large pink flowers. In early spring it sends up its attractive strap-leaf foliage, which grows until late in July, when it ripens off and disappears, and one unfamiliar with the plant would naturally think it had died. About a month later, the flower stalks spring like magic out of the bare ground, and rising to the height of two to four feet, develop an umbel of large Lily-shaped flowers from six to fifteen in number, of a delicate lilac-pink shaded with clear blue. The first flower to open retains its beautiful coloring and shape until long after the last bud on the stem is open. It is perfectly hardy and succeeds in ordinary garden soil. The bulbs are large and acclimated to this country, having been grown for several years in the vicinity of Rochester. The engraving presented herewith shows them in full bloom. It is the best introduction in the Lily class in many years. This Lycoris was imported from Japan a number of years ago, and grown here by Mr. E. Hinstelen of Le Roy, N. Y., who for years has been prominent in Horticulture, making the improvement and hybridization of Lilies a specialty. Each, 50 cents; per dozen, \$5.00.

Vick's Fruit Department

(pages 90 to 93) lists the most desirable Small Fruits as well as Fruit-bearing and Ornamental Trees. Your orders for nursery stock will receive the same careful attention as your seed order. Better write today for Vick's Tree Catalogue, which describes and illustrates the varieties best adapted for the home garden and orchard.



LILY OF THE VALLEY

Hardy perennial. Sweet, delicate, and graceful. When planted out of doors set the pips six inches apart and two inches deep in a partially shaded place. For house culture plant in pots, about one inch apart, in moss or sand, and water freely; then set the pots out of doors where they may freeze a day or two; after which bring them in doors, and after thawing, water freely and set in a sunny place in the window. Pips can be ordered in December for house culture, or in spring or fall for garden culture. Pips, half dozen, 25 cents; dozen, 40 cents; fifty, \$1.40; hundred, \$2.50.

At Prices quoted in this Catalogue we Prepay Postage or Express Charges, unless otherwise noted



MAGIC FLOWER—LYCORIS SQUAMIGERA



Hardy Shrubs



HYDRANGEA ARBORESCENS

SNOWBALL

Japanese Snowball (*Viburnum plicatum*). The bush is of lower and more compact growth than the old Snowball, and better furnished with foliage. The flowers are somewhat larger than those of the common form, of a purer white, and remain longer in good condition. Each, 30 cents.

Viburnum Opulus sterilis. The well-known Snowball. Produces large clusters of snow-white flowers in May. Each, 25 cents.

TAMARIX

Hardy shrub, with very graceful and handsome feathery foliage. The plant flowers so freely that in the early summer it is one mass of pink bloom, completely hiding the foliage. Invaluable for planting by the seaside, where few plants will grow. Each, 30 cents; dozen, \$3.00.

WEIGELA

Handsome summer-flowering shrubs, with an abundance of trumpet-shaped flowers, borne in clusters. Each, 25 cents; three for 60 cents.

Candida. Pure white.

Eva Rathke. Large purplish red flowers.

Rosea. Rose colored flowers, borne in the greatest profusion.

ALTHEA. Rose of Sharon. Beautiful erect-growing shrubs, of the easiest culture, bearing large, showy flowers early in the fall. Very desirable because of flowering when few other shrubs are in bloom. Double Red, Double White, and Double Violet, each, 25 cents.

HARDY AZALEAS. As the shrubs are too large to send by mail, we offer them free by express. Each, \$1.25; dozen, \$12.00.

Azalea Pontica (*Ghent Azalea*). Entirely hardy. Our collection contains the finest varieties grown, and cannot be surpassed for the varied richness of their colors.

Azalea mollis. One of our most gorgeous flowering shrubs. The very large and beautiful flowers of various colors are born in clusters before the leaves appear in May.

HYDRANGEA

Arborescens. (Grandiflora Alba.)

This magnificent hardy American Hydrangea is the most beautiful hardy flowering shrub introduced in many years. It attains a height of five to six feet, and about the same breadth. It is of far more graceful habit than *Hydrangea paniculata grandiflora*. The form of the panicle is much like that of *Hydrangea Hortensis*. Trusses large and beautifully formed; the blooms are of the very largest size, pure snow-white; the foliage is finely finished. Strong, one-year plants, each, 25 cents.

Paniculata Grandiflora. One of the finest hardy shrubs in cultivation. The flower trusses are immense heads from nine to twelve inches in length, and nearly as broad. Color purest white, afterward changing to deep pink as the season advances. It blooms in July, at a time when few other shrubs are in flower, and remains beautiful until destroyed by frost. Hardy as a lilac bush. The plants we offer will all bloom the first season. Prices according to size. First size, each, 50 cents; two for 80 cents. Second size, each, 25 cents; three for 60 cents.

SPIRAEA

Arguta. Flowers clear white and freely produced. The best very early-flowering white Spiraea.

Anthony Waterer. New Crimson Spiraea. The most valuable hardy ornamental shrub recently introduced. Grows from twelve to fifteen inches high, in a compact, bushy form. It is a perpetual bloomer, bearing large clusters of bright crimson flowers all through the season. A valuable plant for bedding and borders.

Van Houttei. A vigorous plant that sends up numerous tall, slender shoots which curve gracefully, and the last of May or in June are literally covered with pure white flowers, making the bush a mass of bloom.

Each, 25 cents.

CARYOPTERIS

Mastacanthus (*Blue Spiraea*). A handsome half-hardy perennial plant of vigorous growth, producing flowers in the greatest profusion the whole length of its branches. Color rich lavender. Each, 25 cents.

FORSYTHIA SUSPENS (*Fortunei*). Golden Bells. One of the earliest spring-flowering shrubs, producing large, bright yellow flowers. Each, 25 cents.

PURPLE FRINGE. Smoke Tree. A spreading shrub, completely covered in summer with large, feathery, purplish panicles, having the appearance of clouds of smoke. Each, 25 cents.

SYRINGA GRANDIFLORA. Flowers pure white, fragrant. A very popular shrub. Each, 25 cents.

CALIFORNIA PRIVET. A strong, vigorous, hardy plant. The best plant known for hedges. May be trimmed to any form, is nearly evergreen, thornless. A fast grower, and without the objectionable features of other hedge plants. Fine habit and foliage. Three-year plants, two and a half to three feet high, \$6.00 per 100, \$55 per 1000, express not prepaid. Two-year plants, fifteen inches high, \$4.00 per 100, \$35 per 1000, express not prepaid.

BERBERIS THUNBERGII. A handsome low-growing form of Barberry of Japanese origin. Foliage abundant, leaves small, obovate; flowers reddish; berries bright crimson. In autumn the leaves turn a bright red and make a great display. A beautiful plant for the lawn or the front of the shrubbery, or for a low-growing ornamental hedge. Each, 25 cents.

Testimony from our Customers

Hebron, Ind., February 14, 1909.

Dear Sirs:—I wish to thank you for the nice Chrysanthemums plants you sent me; the lily has arrived in good shape. Many thanks.

GRACE FRANKLIN.

Middletown, N. Y., November 16, 1909.

Dear Sirs:—My garden was very small, only about twenty feet square, but the bloom was grand with most things, especially the feathered *Cetosia*. My *Phlox* was greatly admired, the colors were so varied and beautiful. I forgot to mention my *Petunias*, the ruffled kind; they were grand and I gave to my friends and had plenty left. I hope all your patrons have been as successful as I have been.

Respectfully, MRS. M. E. BOGART.



Hardy Climbers



CLEMATIS PANICULATA

AMPELOPSIS

Veitchii (Japanese or Boston Ivy.) This hardy variety clings firmly to the side of a house or wall, and will soon form a perfect mass of foliage. The leaves overlap with wonderful regularity. In autumn this beautiful climber assumes its greatest beauty, changing until it is a glowing mass of the brightest shades of crimson, scarlet, and orange. Hardy. Strong vines, 25 cents; two for 40 cents; dozen, \$2.00.

Quinquefolia, or Virginia Creeper. Sometimes called American Ivy and Woodbine. A rapid grower. Foliage crimson in autumn. Each, 20 cents.

CLEMATIS

The Clematis is the favorite climber of the world. It makes a rapid growth, producing its showy flowers in great profusion. In the fall give the plants a good top-dressing of well-rotted manure. The following spring spade it in carefully, mixing well with the soil, and it will prove very beneficial. Hardy.

Henryi. Fine large cream-white flowers. The best white variety. A strong grower, and very hardy; a perpetual bloomer. Each, 50 cents.

Jackmanni. Flowers large, intense violet-purple; produced in great profusion; blossoms from four to six inches in diameter. The most beautiful hardy climber in cultivation. Each, 40 cents.

Madame Edouard Andre. A valuable new variety; distinct new color; fine bright crimson, with no purplish shade about it. Large flowers, borne so profusely that it is called Crimson Jackmanni. Each, 40 cents.

Paniculata. A remarkably beautiful climbing plant. Flowers pure white, star-shaped, about one inch in diameter, borne very freely in large clusters; will last several days as cut flowers, retaining their freshness and fragrance. The plant is a strong, quick grower. One of the most desirable and useful of climbing plants. Each, 25 cents; two for 40 cents; per dozen, \$2.00.

The Set of four Clematis for \$1.30.

Remember that our prices include the Postage or Express Charges on all articles in this Catalogue, unless otherwise stated.

HONEYSUCKLE

The different varieties of Honeysuckle are esteemed among the most desirable hardy climbers. They grow with great freedom in any good garden soil. Hall's Japan Honeysuckle is remarkable for the persistency of its leaves, the foliage usually remaining green and apparently perfect long after severe freezing weather. On this account it is very desirable to train over a porch.

Heckrotti. New Sweet Scented Everblooming Honeysuckle. A magnificent variety, the finest yet produced. Remarkable for the large size and delicious fragrance of its flowers; color bright carmine red, with yellow and buff markings at the ends of the tubes. A healthy and vigorous grower and blooms continually the whole season. Each 30 cents; dozen \$3.00.

Hall's. An evergreen variety from Japan. Flowers pure white, changing to yellow. Very fragrant. Each, 25 cents; two for 40 cents; per dozen, \$2.00.

DUTCHMAN'S PIPE

Aristolochia Siphon. The Aristolochia is a floral curiosity. It is a rapid-growing hardy climber, attaining a height of thirty or more feet. It has large leaves, ten inches across, with curious pipe-shaped, yellowish-brown flowers an inch and a half long. Strong plants, each, 50 cents; dozen, \$5.00.

WISTARIA MAGNIFICA

The Wistaria is a strong, rapid grower, desirable for trellises, porches, etc. When well established it blooms profusely. The light purple flowers are very showy, and are produced in long racemes. A large plant in bloom is a beautiful sight. Perfectly hardy. Extra strong roots, 30 cents.

AKEBIA QUINATA. A Japanese, hardy, climbing plant, with purplish flowers, purplish mottled berries and handsome compound leaves composed of five leaflets. An interesting plant. Each 25 cents.

CHINESE MATRIMONY VINE. A vigorous and hardy climber. Flowers bright purple, succeeded by scarlet berries nearly one inch long. Excellent for trellises. Each, 25 cents; two for 40 cents.

CINNAMON VINE. A very rapid climber of incomparable beauty, with flowers of exquisite perfume. The growth is very rapid and the vines cover a large space in a short time. It is grown from a tuber, is perfectly hardy and will live out of doors without protection. The vine dies to the ground each fall, and starts growth early in the spring. Each, 15 cents; two for 25 cents; per dozen, \$1.25.

IVY, English. The old popular variety. Hardy. Each, 20 cents; two for 30 cents; two-year old plants, each 40 cents; two for 60 cents.

PERENNIAL PEA. Flowers pink, in clusters. Hardy. Each, 15 cents; two for 25 cents.

TRUMPET VINE, Tecoma radicans. A fine, hardy, climbing plant, producing clusters of large, trumpet-shaped, orange-scarlet flowers about three inches long. The foliage is also very beautiful. This plant on the lawn makes a pretty bush if the tops are cut back. Each 25 cents.



HALL'S JAPAN HONEYSUCKLE

\$1000 in Cash Prizes
For information see first page



ROSES



THE flowers of the Hybrid Perpetual class are generally large, double, and very fragrant. Being perfectly hardy, these Roses may be planted out in the open ground and left all winter, without any protection, and will for years continue to yield an immense crop of flowers in June, and many of them will bloom freely throughout the season. If you wish to have flowers constantly in bloom, you must feed them well to bring them to perfection; they must have a very rich soil if you wish them to do their best. Do not let them suffer or want of water during the growing season; this is a matter of great importance.

All strong two-year field grown; each 40 cents; per dozen, \$4.50. Except where noted.

American Beauty. One of the largest and most beautiful of the hardy Roses. Flowers very large and double, and delightfully fragrant. Rich rosy crimson color. Plant a strong grower and continuous bloomer. It will make a much stronger growth if not allowed to bloom the first summer. Pinch off the larger portion of the buds—better all of them. This will not be necessary the second season, as the plant will then be strong enough to make both growth and bloom. We offer two sizes of plants. Young plants, from 2½-inch pots, each 20 cts.; two for 35 cts. Extra strong plants, each, 50 cents; two for 80 cents.

Anne de Diesbach (Glory of Paris). Brilliant crimson; long pointed buds; large, finely-formed, compact flowers; very sweet; free bloomer. Valuable for forcing, and a superior garden sort.

Baron de Bonstetten. A splendid shade of dark red, changing to velvety maroon.

Caroline Marniesse. There is not a week from late in May till the middle or latter part of October that large quantities of blossoms cannot be picked from these plants. Growth low and somewhat spreading, making it especially valuable for the borders of beds, also very effective for massing in any position. The flowers are pure (or slightly creamy) white, medium size, very double, and sweetly tea-scented.

Coquette des Alps. White, sometimes tinged with pink; flowers in clusters.

Clio. Flowers large, of fine globular form; flesh-color, shaded in center with rosy pink. Vigorous grower and handsome foliage. One of the finest Roses.

Francois Levet. Cherry-red; flowers of large size, well formed; very free bloomer and of vigorous growth. An excellent Rose.

Gen. Jacqueminot. Rich crimson-scarlet, very bright and velvety. It produces beautiful buds that are much admired; and in great demand.

John Keynes. Dark velvety-crimson. Plant very sturdy and compact. A free and prolific bloomer.

La France. Silvery rose, changing to pink; beautiful both in flower and bud. A most constant bloomer.

La Reine. A beautiful, clear, bright rose; full form; very fragrant.

Madame Plantier (Hyb. China). Summer bloomer; pure white.

Marchioness of Londonderry. A white, free-flowering Hybrid Perpetual. Flowers of great size, measuring five inches across, perfectly formed and carried on long stems; color very white; petals of great substance, shell-shaped and reflexed. Highly perfumed. Growth vigorous and foliage very handsome. One of the finest.

Margaret Dickson. Distinctively a garden Rose, and the best white Hybrid Perpetual, combining the sterling qualities of entire hardiness, vigorous growth, and repeated blooming, with the fragrance, beauty of form, and waxy texture of the finest Tea Roses. The flower is of magnificent form and very large. In color it is the most beautiful waxy-white, shining with almost the luster of a pearl.



KAISERIN AUGUSTA VICTORIA

Magna Charta. A general favorite, prized on account of its strong, upright growth and bright healthy foliage, as well as for its magnificent bloom. The color is a beautiful bright pink, suffused with carmine.

Mrs. John Laing. Delicate pink; large, fine form; very fragrant. Flowers continuously in the open ground.

Mrs. R. G. Sharman Crawford. Deep rosy pink, outer petals shaded pale flesh; white at base. Strong growth; continuous bloomer.

Paul Neyron. Probably the largest Rose in cultivation, and one of the best bloomers. Color a bright shining pink, clear and beautiful. The plant is an exceptionally strong grower often making shoots four to five feet in one season, each shoot bearing an immense flower. A rose we highly recommend.

Prince Camille de Rohan. Rich, dark, velvety crimson, shading to maroon; very double and sweet.

Ulrich Brunner. Brilliant cherry-red; fine form and finish. Plant vigorous and hardy. One of the best.

Vick's Caprice. Flowers large, soft satiny pink, distinctly striped and dashed with white and carmine. Is beautiful in bud form, being long and pointed, showing the stripes to great advantage. Blooms continuously through the summer. Desirable for cutting.

Kaiserin Augusta Victoria

Pearly white, softly tinted with lemon in center; fragrant. A strong healthy grower, with bold, beautiful foliage. Particularly hardy, and one of the most beautiful Roses in cultivation. Each, 15 cents; per dozen, \$1.50. Strong, 2-year plants, each 40 cents; per dozen, \$4.50.

Killarney

A grand new Hybrid Tea Rose, perfectly hardy and a perpetual bloomer. The color is a bright sparkling pink; flowers very large, and the buds long and pointed. Each, 20 cents. Two-year plants, each 40 cents. Per dozen, \$4.50.

Hardy Yellow Rose, Soleil d'Or

Soleil d'Or is a cross between Persian Yellow and Antoine Ducher. It retains a good deal of the character of Persian Yellow, the bark and wood being reddish, the thorns very fine, the foliage more ample, and the leaves, of a beautiful clear green, closer together. This magnificent variety is perfectly hardy, robust, and vigorous, making a growth of about three feet in height. The buds are conical-shaped, of a lovely hue, the flower when expanded being well incurved and about three and a half inches in diameter. Superb in color, varying from gold and orange-yellow to reddish gold, shaded with nasturtium-red.

Strong plants, each 50 cents; per dozen, \$5.00.

CLIMBING ROSES

The hardy Climbing Roses grow with great rapidity, and will cover an old building or wall in a very short time. They bloom after the Hybrid Perpetuals, and produce their flowers abundantly in large clusters.

Two-year plants, 40 cents each, or two for 75 cents; dozen \$4.00.

Baltimore Belle. Pale blush, nearly white.
Queen of the Prairie. Rosy red, fine.

Everblooming Climbers

Each, 15 cents; the set for 70 cents.

America. Fawn-colored flowers; buds beautiful; very strong grower.

Empress of China. The best of the large-flowering varieties. Flowers bright pink. After the plants have become established, it blooms continuously throughout the summer. Hardy. One of the best.

James Sprunt. Flowers deep cherry-red, medium-sized and very double and sweet. A strong grower and profuse bloomer.

Mary Washington. Flowers pure white, of medium size, perfectly double, and borne on long stems. Fragrance tinged with a musky odor. Rapid and vigorous grower. Hardy. Perpetual bloomer.

Climbing White Pet. Very rapid climber, making a wonderful growth, often ten to fifteen feet the first year. Blooms profusely. Flowers pure white, of medium size, very double, ever-blooming, fragrant. Hardy. Bound to become a great favorite.

Climbing Soupert. The flowers are similar to the well-known Clothilde Soupert, are borne in clusters, and are of very large size. Color beautiful creamy-white, deepening in the center to a clear bright pink, and sometimes both red and white Roses are borne on the same bush.

Dorothy Perkins

A hybrid of Rosa Wichuraiana and Mme. Gabriel Luizet. In its foliage, growth, and habit of blooming, it is similar to Crimson Rambler, but the flowers are more double and of a beautiful shell-pink color, and hold a long time without fading. The flowers are very sweetly scented, a characteristic not possessed by most other Ramblers.

Strong one-year plants, each, 20 cents; per dozen, \$1.75.

Two-year plants, each, 40 cents; per dozen, \$4.00.

Helene, a Climbing Rose of Rare Beauty

A seedling from Crimson Rambler. It is of very robust growth, throwing up canes ten to fifteen feet high in a single season. The color is a pure soft violet-rose, almost blush; base of petals yellowish. The buds are carmine, finely ciliated or mossed, and are borne in clusters of from twenty-five to fifty. Perfectly hardy.

One-year plants, each, 20 cents; per dozen, \$1.75.

Two-year plants, each, 40 cents; per dozen, \$4.00.

Climbing Rose Tausendschon

This beautiful novelty surpasses all other climbing roses, in growth, foliage and beauty of flower. The flowers are borne in large clusters from June to August. Each flower measures about one and a half inches in diameter, and is of a beautiful soft rose-color, changing to rosy-carmine. The plant is of strong, vigorous growth, perfectly hardy, and a good variety to plant where a strong climber is desired. This rose is nearly thornless. The shining, dark green foliage is never attacked by disease or insects. A first class rose for covering fences, walls, verandah, etc. Strong one-year field grown plants, each, 25 cents; per dozen, \$2.00.

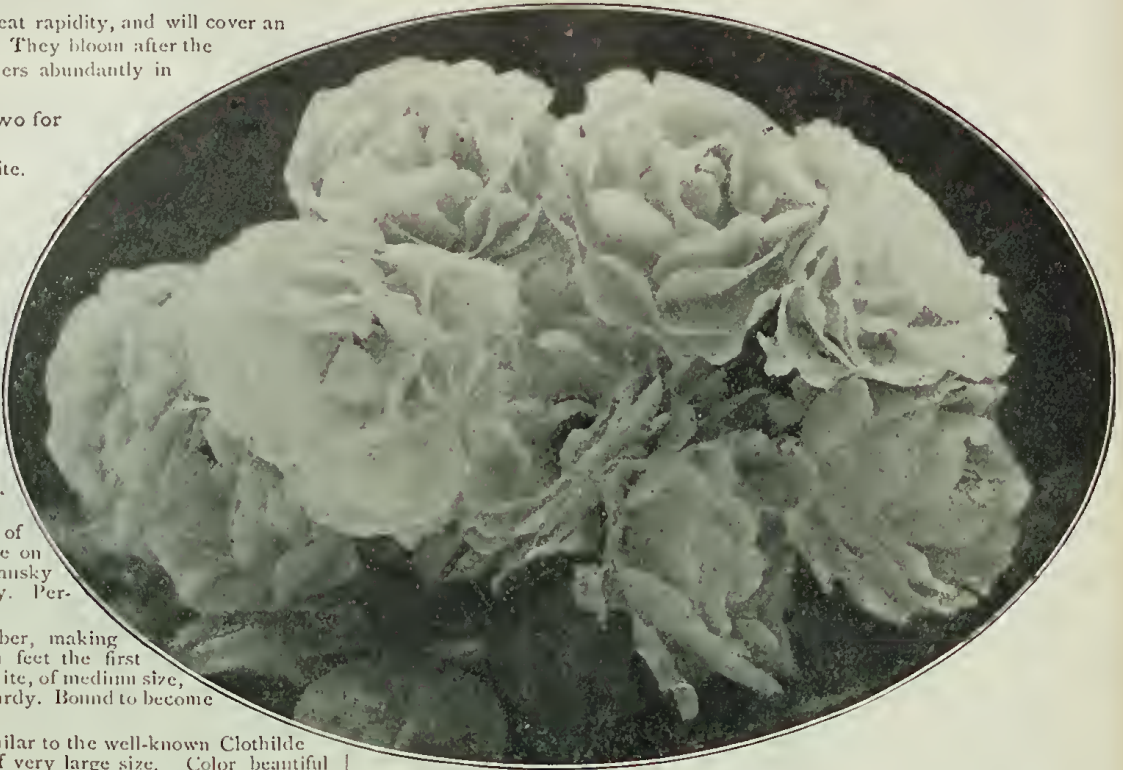
Two-year plants, each, 40 cents; per dozen, \$4.00.

Lady Gay, a Pink Rambler Rose

"A seedling from the popular Crimson Rambler, which it resembles in habit and general effect. The flowers are of a delicate cherry pink, fading to soft, white. The foliage is very profuse and of a glossy deep green shade. The effect of a plant in full bloom, with the combination of the soft white flowers, the cherry, pink buds, and the deep green foliage, is most charming. Flowers are numerous and of good size; they are also delicately perfumed. The plant is a vigorous grower and perfectly hardy. This is a rose of the highest merit, and far superior to the Crimson Rambler. This is a new color in a Rose, of which one will not become tired, as is the case with the Crimson Rambler."

Strong one-year field grown plants, each, 20 cents; dozen, \$1.75.

Two-year plants, each, 40 cents; per dozen, \$4.00.



NEW CLIMBING ROSE, TAUSENDSCHON

The Rambler Roses

The Ramblers have grown in favor so rapidly and are so well known that it is not necessary to devote space to a long description of these wonderfully beautiful and useful hardy climbers. They are suitable for training on walls, verandas, trellises, arbors, and pillars, and as specimen pot plants for winter forcing. The flowers are well formed and, though small, are produced in so great profusion as to present an immense mass of bloom. Many of our customers report that single plants when in bloom showed thousands of flowers.

Crimson. White. Yellow. Pink.

One-year plants, each, 20 cents; set of four for 70 cents; dozen, \$1.75.

Two-year plants, each, 40 cents; set of four for \$1.50; per dozen, \$4.00.

Philadelphia Rambler

This Rose is a cross between the popular Crimson Rambler and the fiery crimson Hybrid Perpetual Victor Hugo, and is identical with the Crimson Rambler except that the color is a brighter crimson, and never fades; is a valuable acquisition to the list of climbing Roses.

One-year plants, each, 20 cents; per dozen, \$1.75.

Two-year plants, each 40 cents; per dozen, \$4.00.

Baby or Dwarf Crimson Rambler

Madame Norbert Levavasseur

This beautiful novelty produces clusters of flowers as large as the old Crimson Rambler. The color is a charming brilliant red, and it blooms with great profusion. This rose blooms all summer, and is bound to be the most popular bedding Rose ever sent out. As a pot Rose it has no equal, as it is a continuous bloomer. Strong young pot plants, 15 cents each; per dozen, \$1.50; two-year old field-grown plants, 35 cents each; per dozen, \$3.50.

Amy Muller, or Pink Baby Rambler

This grand novelty is a fitting companion to the well-known crimson Baby Rambler. The plants branch freely and attain a height of about eighteen inches. The showy brilliant rose-colored flowers are produced in the greatest profusion from June until fall. Each individual flower measures about two inches in diameter. The petals are sometimes twisted which gives the flower a very unique appearance. Strong one-year plants, each, 20 cents; per dozen \$2.00.



Frau Karl Druschki

A new hardy Rose and a grand variety. The flowers are large and full; buds long; color a pure white. The plant is a very vigorous grower and produces flowers throughout the entire season. Two-year plants, 50 cts. each.

Hardy Everblooming Rose Gruss an Teplitz

Color a rich scarlet, shading to velvety crimson; very fragrant; a free, strong grower, and the most profuse bloomer known to us, blooming continually, and covered with flowers the whole season. The mass of color produced is truly phenomenal, and the foliage extremely beautiful, all the younger growth being of a bronzy plum-color. Each, 15 cents; per dozen, \$1.50.

Persian Yellow

The flowers are nearly double and borne in immense clusters. The color is a deep golden yellow. The plants are a perfect mass of flowers in June.

Strong, 2-year plants, each, 40 cents; dozen, \$4.00.

Polyantha Roses

Each, 15 cents; per dozen, \$1.50.

Clothilde Soupert. Flowers of medium size, double, and beautifully formed, oval at first, but flattening as they expand; the color is pearly white at the outer edge, shading to a center of rosy pink, sometimes varying to nearly pure white. Very fragrant. Constant bloomer.

Madame Cecil Brunner. Plant of dwarf growth, excellent for bordering beds. Color salmon-rose on a yellow ground. This Rose is very fragrant.

White Soupert. Pure white, full and double flowers; fragrant.

Yellow Soupert. Flowers very double, bell-shaped, and open like a Camellia. Petals tinted white on a beautiful light yellow ground, extending to middle of petals. Plant dwarf and free-flowering.

MOSS ROSES

The peculiarities of the Moss Roses are the delicate prickles which crowd their stems, and the beautiful mossy covering of their opening buds. They are strong, vigorous growers, and are perfectly hardy.

Extra strong two-year, field-grown plants, each, 40 cts; dozen, \$4.00.

Comtesse de Murinais. Flowers white, sometimes tinged with flesh-color; large, double, cupped; buds heavily mossed. One of the best Moss Roses.

Cumberland Bell. A true Climbing Moss Rose. A sport from that pretty Moss Rose, Princess Adelaide. Fully equals in vigor of growth the Crimson Rambler and other rampant growers. In color it is a bright silvery rose, very double, the buds nicely mossed and exquisitely fragrant.

Henri Martin. A magnificent Moss Rose. Extra large, and perfectly double. Color a deep rosy carmine, shaded a bright crimson.

Madame de la Rochlambert. Bright pink.

Princess Adelaide. Pale rose. Good in the bud and flower. Foliage dark.

White Bath. The extra large, full, very double flowers, of the purest snowy white, come in large clusters, and are delightfully perfumed.

Monthly Everblooming Roses

Dozens of flowers can be cut from a bed of Monthly Roses every day, from June to November. To be successful with Monthly Everblooming Roses, you must have rich soil for them to grow in. Old, well-rotted manure is the best fertilizer; a bright, sunny location; and in hot, dry weather, a good thorough soaking with water each day; and you will have plenty of delightfully fragrant flowers.

Fine strong plants, 15 cents each; \$1.50 per dozen.

Small capitals are as follows to indicate classes; T, Tea; H. T. Hybrid Tea; C. China; B. Bourbon; N. Noisette.

Bon Silene. Rich crimson shade, beautifully tinged with salmon. T.

Crimson Hermosa (Queen's Scarlet). Flowers large; of a fiery scarlet. C.

Francisca Kruger. Flowers large, coppery yellow, shaded with peach. T.

Gen. de Tartas. Carmine, shaded purple. T.

La Princess Vera. Rich ivory-white, shaded with coppery yellow. T.

La Proserpine. Fragrant; color, a peach or pink tint. T.

Marion Dinglee. Color deep crimson, changing to carmine. H. T.

Maman Cochet. Deep rosy pink, the inner side of petals silvery rose. T.

Marechal Neil. Yellow, tea-scented. T.

Marie Guillot. White, tinted with pale yellow; large, full, and of fine shape. T.

Madame Joseph Schwartz. Blush, edged with carmine. T.

Marie Van Houtte. Creamy white, outlined with bright rose. T.

Meteor. The deepest glowing crimson; flower of medium size. H. T.

Papa Gontier. Brilliant carmine, changing to pale rose. T.

Perle des Jardins. Rich shade of yellow; very perfect in form. T.

Pink Hermosa. One of the best known of all Roses. Perfectly hardy. B.

Princess de Sagan. The richest crimson Rose in our collection. T.

Suzanne Blanchet. Light pink. T.

Sylph. Delicate pink; flowers large with a high center and deep stiff petals. T.

White Maman Cochet. This grand new Tea Rose is a sport from Maman

Cochet. Flower extremely large, round and full; a pure white. T.

White Hermosa (Marie Lambert). Resembles Pink Hermosa in form. T.

The roses came in fine condition and are fine looking. Many thanks for the care taken in selecting same.
Blanchard, Okla., March 23, 1909.
E. H. DWIGHT.



SYLPH AND MAMAN COCHET EVERBLOOMING ROSES

The ruffled petunia seed from your firm has produced flowers most beautiful. Fully as handsome as those on the cover of your catalogue.
Smithtown Br., L. I. MISS F. M. TYLER.



Tender Plants and Bulbs



ASPARAGUS

Sprengeri. One of the most rapid-growing plants that we know of, making great masses of fine feathery foliage in a very short time. The stems grow several feet in length, and are valuable for use in cut-flower work. Fine for hanging baskets or large pots. As a house plant it has no superior, as it withstands the indoor temperature well. Each, 20 cents; two for 30 cents.

Plumosus nanus, or Lace Fern. Beautiful on account of its light feathery growth, which very much resembles lace. The graceful dark green foliage surpasses the Maiden Hair Fern in delicacy of texture. Splendid as a pot plant and for decorative purposes. Each, 20 cents; two for 30 cents.

THE REX BEGONIAS

The Rex varieties of Begonia are very effective as pot plants. Care should be taken to keep the foliage free from dust. Occasionally the plants may be showered, but should not be exposed to the sun until the leaves are perfectly dry. Each, 20 cents; any three 50 cents; dozen, \$2.00.

Countess Louise Erdody. The wonderful Cork-screw Begonia.

Grandis. Bronze.

Pres. Carnot. Silvery white.

Surprise. Leaf deep bronze and silvery rose.

Van-der Hyde. Mottled green and white.

BEGONIA SEMPERFLORENS (Wax Begonias)

This class may truly be called perpetual flowering Begonias as they bloom continuously. They are always in bloom, and are very fine either for house plants or bedding. Three colors, pink, white and scarlet. Each, 15 cents; three for 35 cents; dozen, \$1.25.

CARNATIONS

The delicately rich and grateful odor, in connection with the beautiful colors and perfect outline of the Carnation, secures for it a prominent place in all collections of plants, either for the house or garden. It is one of the sweetest of flowers, and yields an abundance of bloom all summer. The plants may be potted in September, watered and shaded a few days, and they will bloom all winter, in a bright sunny window. Our list embraces a large assortment of colors, and the best of the standard varieties.

Each, 15 cents; three for 35 cents; seven for 70 cents.

The set of fifteen for \$1.40.

Beacon. Beautiful shade of scarlet. Flowers very large. Stems long.

Boston Market. Pure white. A marvel for early and continuous blooming.

Dorothy Whitney. Deep yellow, with faint markings of light pink.

Enchantress. Delicate shade of shell-pink, deepening towards the center; very large flower.

Georgia. Pure white. Flowers large, beautifully fringed and full to the center.

Harlowarden. Large flower of bright crimson, with scarlet shadings.

Lady Bountiful. Pure glistening white.

Mrs. Thomas W. Lawson. Immense size—from three to four inches in diameter—long, strong stems. Bright cerise-pink, lighting up beautifully under artificial light.

Mrs. M. A. Patten. Pure white, beautifully marked with cerise pink.

Red Jacket. A strong, robust grower; color brilliant scarlet.

Rose Pink Enchantress. Color rose pink; large flower.

The Queen. Pure white; flowers very large. **Winsor.** Silvery pink.

Victory. Brilliant scarlet. **White Enchantress.** Pure white.

COLEUS

Each, 15 cents; any three for 30 cents;
one each of set of eight for 75 cents.

Crimson Velvet. Leaves rich crimson.

Duneira. Soft seal-brown, bordered pink. An exceptionally showy variety.

Firebrand. Maroon, flamed and shaded with brilliant fiery red.

Golden Bedder. Excellent bedder, bright yellow.

John Good. Yellow and green, fine bedder.

Queen of the West. A center wedge of creamy white bordered green; the whole margined yellow, and blotched carmine and maroon.

Sensation. Velvety black maroon, with lance-shaped center of pure magenta. Very brilliant.

Verschaffelti. Rich, velvety crimson. The best of all for bedding.

CAREX JAPONICA VARIEGATA

A Japanese grass, very useful and ornamental for the house. Seems to enjoy the atmosphere of living rooms. Each, 15 cents; two for 25 cents.



FERN, NEPHROLEPIS WHITMANI

Ferns For Decoration

Ferns cannot be dispensed with in elaborate decorations for the parlor. A single plant of the Dwarf Boston Fern is as useful in producing a graceful effect as any plant we know of. In planting a fernery do not crowd them, but give them room for the development of the fronds; their growth is rapid, and many varieties soon double their original size. Be your own florist and fill your fern dishes at home. Five of the best and hardiest varieties are sufficient to fill a fern dish eight inches in diameter. Each, 15 cents; the set of six for 75 cents.

Adiantum cuneatum. The popular Maiden-Hair Fern.

Aspidium Tsussimense. A pretty species with dark green foliage.

Cyrtomium Falcatum. Large green glossy leaves.

Pteris Cretica albo-lineata. A pretty and useful variegated variety; leaves green and white.

Polystichum setosum. Foliage dark green.

Peteris Wimsetti. Fine for fern pans and house culture; finely crested.

The New Dwarf Boston Fern, Nephrolepis Scotti

A very dwarf and compact form of the Boston Fern. The fronds are short and narrow, of a graceful recurving form. Plants of small size make nice specimens in a short time. For house culture we recommend it as a plant that will please all, and one of the best that we offer this season. Strong young plants each, 20 cents; dozen, \$2.00.

New Ostrich Feather Fern, Nephrolepis Barrowsii

This beautiful fern may be described as a dwarf form of Nephrolepis Piersonii. The leaves are wide and the decided feathery appearance of the plant is very striking. A wonderful variety and should be in every collection. Each, 20 cents; per dozen, \$2.00.

Nephrolepis Whitmani. The plummy appearance of the foliage makes this variety unquestionably the most striking among all the Nephrolepis. The plant is quite dwarf in growth, and the leaves very wide; a grand fern. Each 20 cents; per dozen, \$2.00.

Boston Drooping Fern. One of the most satisfactory of decorative plants for house culture. The handsome green fronds attain a length of four to five feet, and droop so gracefully over on every side that it is often called the Fountain Plant. It always has a fresh, healthy appearance, and is very attractive. Fine plants, each, 20 cents; dozen, \$2.00.

Nephrolepis Amerpholi. The latest addition to the Ostrich Plumbe type, and the most delicate and graceful. The fronds are broad, and of a depth that gives them a cushion-like appearance. Each, 20 cts.; doz., \$2.00.

Special offer. We will send one fine plant each of the above five ferns for 75 cents.

SILK OAK

Grevillea robusta. A beautiful plant for decorative purposes; of quick growth and very easy culture. The leaves are a light bronze color, the tips being covered with a soft down resembling raw silk, from which it derives the name of "Silk Oak." For the house it is unsurpassed. Each, 20 cts.; two for 30 cts.

CHRYSANTHEMUMS THE REIGNING QUEEN OF THE AUTUMN FLORAL KINGDOM

WHO does not admire the "Queen of Autumn," the handsomest of all autumnal flowers, and easily cultivated in almost any soil? In warm seasons it flowers well in October and November in the open ground. But a good way is to cultivate the plants in the garden, with plenty of room, in good, rich soil, until the first of September, when they may be safely transferred to pots. Give a thorough watering and set in a shady place for a few days, after which they may be exposed to the full light.

Each, 15 cents; dozen, \$1.25; eighteen for \$1.75, except as noted

Alice Bryon. A magnificent snow-white variety.

Col. D. Appleton. A grand yellow, incurved, of large size. Early.

Cullingfordii. Rich crimson scarlet.

Golden Eagle. A very intense golden yellow, with incurving petals.

Golden Glow. The earliest of all. Fine golden yellow with velvety finish.

Ivory Dwarf. Free flowering, snow white, incurved, very large, perfect form.

J. K. Shaw. Large incurved flowers—a beautiful shade of pink.

Jeannie Nonin. Pure white. A very late variety.

Major Bonnaffon. Soft yellow, incurved type; flower large and full.

Marie Liger. Pearl pink deepening to rosy lavender at the base of the petals.

Maud Dean. Extra large flowers, petals broad, incurved; color light rose.

Mrs. Elmer D. Smith. Color, intense yellow.

Mrs. Jerome Jones. Waxy white; good stem and perfect foliage.

Mrs. W. B. Chamberlain. The color is a lovely shade of pink, very distinct.

Nagoya. Very large Japanese; color, golden yellow.

October Frost. Large spreading, pure white flowers.

Pink Ivory. Beautiful shell-pink. A sport from White Ivory.

President Taft. New. Purest white, closely incurved, forming a huge glistening ball.

Pink Jones. The color is beautiful, each petal is white overlaid with purplish crimson, giving the whole flower the appearance of being pink in color.

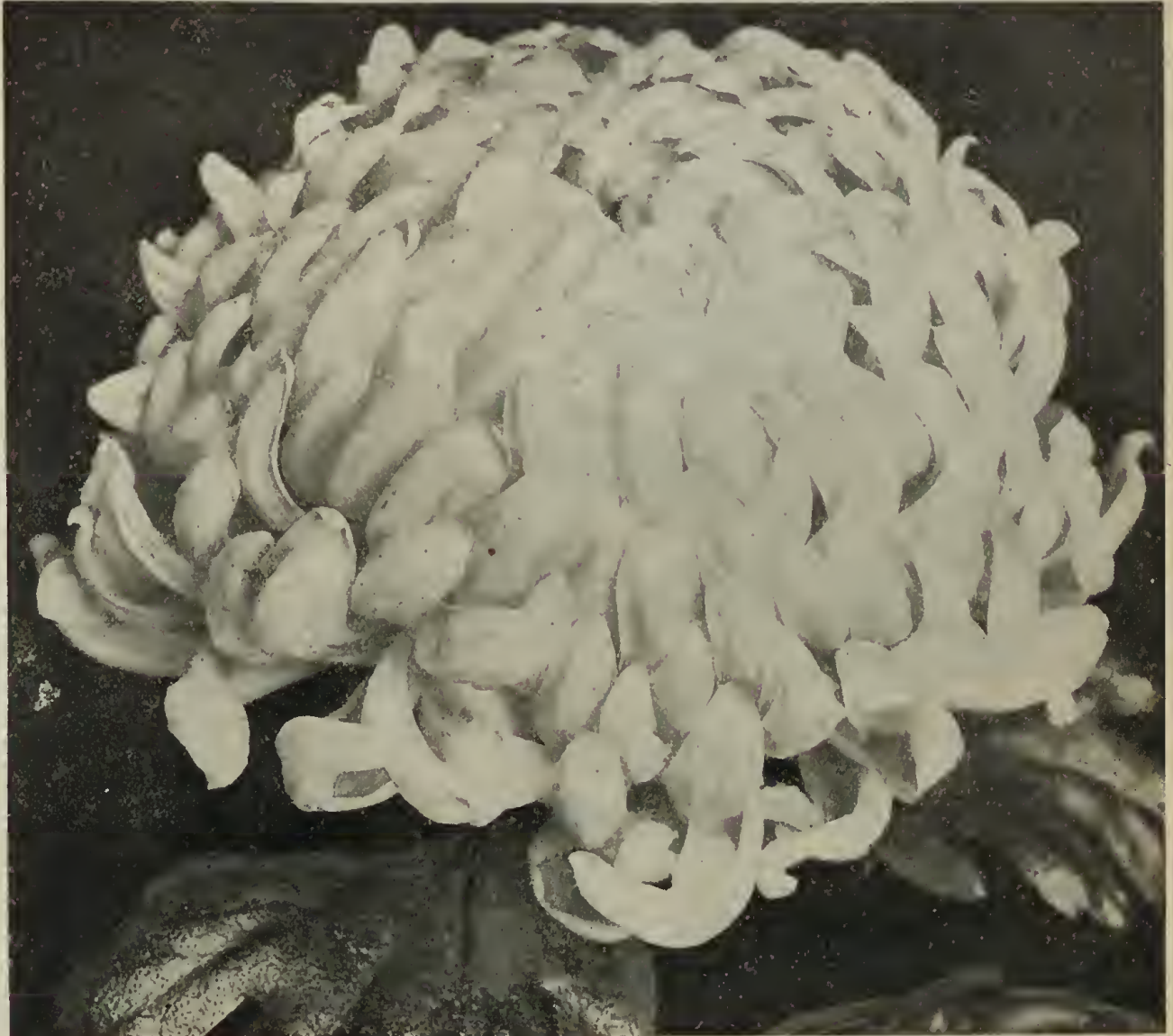
Red Duckham. Very large flower. Color purplish crimson.

Timothy Eaton. A creamy white.

Virginia Poehlman. A magnificent flower, pure white.

Wm. H. Chadwick. Immense and striking bloom of waxy-white.

Yanoma. Very large, pure white. The latest of all Chrysanthemums.



CHRYSANTHEMUM, MRS. JEROME JONES

Rosains Patrie. Tube and sepals carmine. Corolla white.

Storm King. Dwarf grower. Tube and sepals red. Corolla white.

Victor Hugo. Flowers large, very double; sepals bright crimson; the center or corolla violet-purple, marbled with red. A unique and beautiful flower.

HYDRANGEA

Hardy south of Philadelphia, but grown at the north as pot plants. Their immense heads of bloom make them very conspicuous. A little shade and plenty of water seem to meet all their needs. Put in the cellar in the fall. For decorative plants on a piazza or porch they produce a fine effect.

Each 15 cents; the set of three for 35 cents.

Jeanne d'Arc. New, a sport from the old favorite Thomas Hogg, having dark reddish brown stems like Red-Branched. Foliage and flowers much larger and more vigorous than either. Flowers pure white, very effective against the dark green foliage.

Red-Branched (Ranulis-coccinea). The smallest plants bear immense trusses of bloom. The branches are of a dark red color, brightening to a clear crimson near the flower heads, which are a beautiful shade of deep rose.

Otaksa. A Japanese variety, with large clusters of pale pink flowers.

FUCHSIA

No class of plants is more graceful and elegant than the Fuchsias. The striking contrast of their colors,—white, carmine, rose, and purple,—renders them perfectly charming. Each 15 cents; dozen, \$1.50.

Avalanche. Corolla violet; sepals crimson.

Bouquet. Flowers of beautiful form; sepals a clear coral color; corolla blue.

Jeanne Summary. Tube and sepals bright crimson scarlet, corolla white.

Jupiter. Tube and sepals scarlet; corolla rich royal purple. Extra large size.

Little Beauty. Tube and sepals bright red; corolla rich purple.

Mary. The drooping flowers, over two inches long, are a brilliant crimson-scarlet, and stand out prominently against the dark green foliage.



Hardy Pompon Chrysanthemums

These are the very best of all Chrysanthemums for planting out of doors, and also very desirable for growing as pot plants, being dwarf, compact growers, and free bloomers. They are perfectly hardy, blooming before severe frosts will hurt the flowers.

Each, 15 cents; dozen, \$1.25; set of eighteen for \$1.75.

Alma. Beautiful pink.
Anna Mary. Creamy white, tipped pink.
Astarte. Bright golden amber.
Baby. The smallest Pompon, bright yellow.
Baby Margaret. Pure white; a beauty.
Bohemia. Pure yellow.
Crimson Ball. A beautiful deep crimson.
Drin Drin. Smallest; pure yellow.
Druid Hill. A light mahogany-crimson.
Edna. White, with pink shadings and yellow center; good size and nice form.

Fairy Queen. Beautiful combination of pink and yellow.
Fashion. Maize yellow.
Fred J. Canary yellow.
Iva. Pure amber.
Itza. Bronze.
James Boon. Pure white.
Julia Lagravere. Crimson-maroon.
Kent. Yellow dwarf.
Northumberland. Red. Single.
Orea. Light pink.
Rose Trevana. Golden amber.
Skibo. Golden ehamois.
St. Iloria. Silvery pink.
Tissi. Pink, golden yellow center.
Walter Bly. White, tinted rose.
Zenobia. Bright clear yellow.

LARGE-FRUITED LEMON, Ponderosa

A true ever-bearing variety. On a plant six feet high no less than eighty-nine of these ponderous lemons were growing at one time. The tree was blooming, and at the same time had fruit in all stages of development, from the size of a pea up to the ripe fruit. Fruit weighing over four pounds had been taken from this tree. The lemons have very thin rind for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It fruits when quite small, and makes a lovely house plant. Thrifty young plants, each, 25 cents; two for 40 cents.

CANNAS

For a brilliant show all summer there is no plant excelling the Canna; it even surpasses the Geranium in its gorgeous display of brilliant colors, blooming continuously from the time of planting until cut down by frost. For window boxes, or grown as specimens for the porch, they are unsurpassed.

The Best of the Standard Varieties

Each, 15 cents; dozen, \$1.50.

Alphonse Bouvier. Brilliant crimson, but change to a beautiful deep crimson as they more fully expand.
Alsace. Pale sulphur changing to creamy white. A valuable variety.
Beaute Poitevine. Bright crimson, with erect flower-spikes.
Black Beauty. Foliage black shining purple.
Brandywine. Brilliant red; foliage bronze.
Buttereup. Pure yellow, dwarf.
Charles Henderson. Brilliant crimson flowers.
Cinnabar. Cinnabar red, distinctly marked with golden yellow.
David Harum. Bright deep satiny vermilion. Foliage bronze.
Egandale. Soft currant-red flowers. Foliage bronze.
Evolution. The flowers are golden yellow, which shades in through various tints of canary, lemon, and sulphur to a center of bluish pink.
Fairfield. Rich dark crimson flowers; foliage green.
Florence Vaughan. Flowers of the most brilliant golden-yellow, dotted with brightest scarlet.
Jean Tissot. Brilliant vermilion, with bright orange markings. Foliage green.
J. D. Cabos. Height four feet. Color of flower light orange.
Maiden Blush. Blush pink, dwarf.
Mlle. Berat. The nearest approach to a pink in a first-class bedder.
Madame Crozy. Flowers crimson-scarlet and gold-bordered.
Pennsylvania. The flowers are pure deep scarlet, of immense size.
President Meyer. The flowers are a rich cherry-carmine; foliage bronze.
President Faivre. Flowers amarant-red; foliage bronze. A strong, erect grower, especially adapted to massing and as center of beds. Six feet high.
Queen Charlotte. The center of the petal is a brilliant crimson-scarlet, shaded with crimson and bordered with a wide belt of gold. Three feet high.
Rosemawr. Beautiful rosy pink.
Robusta. A very fine, tall-growing, dark-leaved variety; eight to ten feet.
Rubin. Ruby carmine. Foliage bronze.
Semaphore. Novel color. The flowers are of a pure orange.
Souvenir d'Antoine Crozy. Crimson scarlet, broad yellow border.

Orchid-Flowered Cannas

Each, 15 cents; set of four for 50 cents.

Alemannia. These gigantic flowers are the largest grown on Cannas. They are a fine yellow, beautifully mottled with orange-scarlet.
Burbank. Flowers very large, equal to Italia; rich canary-yellow, spreading seven inches; will continue to bloom a week after cutting. A strong grower, with wide, rich green leaves; four feet high.
Italia. Immense flower. Center brilliant red, petals widely bordered with clear yellow.
Parthenope. Flowers are extra large and of good substance. Color dark orange, shaded with yellow; showy and distinct; four feet.

Canna Beds

Many of our customers write us in regard to the number of Cannas that it requires to fill a bed of certain dimensions. In answer to this question we offer the following suggestions: *Plant Cannas about 18 inches apart each way; the tall varieties for the center of bed, and the dwarf growers for the border.*

For a round bed 7 feet in diameter it will take 19 plants.

For a 7-foot bed we will send postpaid 19 plants in three different varieties, for \$2.25.

HELIOTROPE

Prized for its fragrance. It is a favorite with everyone. Heliotropes require a sunny location, as they do not do well when grown in the shade. Very desirable for house culture, a single plant filling a whole room with perfume.

Lady Cook. Dark violet.

Madame de Blonay. Pure white.

Each, 15 cents; three for 35 cents; dozen, \$1.25.

OLEANDER. *Splendens variegata.* Large, double, pink flowers, produced early in the season; glossy green leaves with a broad margin of creamy white. Each, 25 cents.

Double Pink. The old variety. Each, 25 cents.

GERANIUMS

THE improvement in the Geranium, both in the size of the individual flower and the truss, is wonderful when compared with the flower of a dozen years ago. Many of the single flowers are larger than a silver dollar, and the trusses are immense balls of living color; while in color we find from the purest white to delicate rose, brilliant scarlet, richest crimson, and many other shades. The foliage varieties are also much improved. The bronze-leaf, with its margin of gold, zoned with chocolate and crimson, is very fine. The ivy-leaved section also shows great improvement, the flowers being equal in size and color to the best double and single Geraniums of the ordinary type.

Plants, each, 15 cents; three for 40 cents; six for 80 cents; twelve for \$1.50.

SINGLE.

Gen. Galliene. Intense crimson.
General Grant. Scarlet. This old sort still retains popularity as a bedder.
Jules Lematric. Light pink.
Jumbo. Very fine scarlet.
Marguerite de Layre. A fine, strong, free grower; pure white flowers.
Mrs. E. G. Hill. Bright salmon with light shading at center.
Queen of the Whites Improved. Pure white.
Telegraph. A pleasing shade of deep orange cerise; robust and free-flowering.

DOUBLE.

Alphonse Ricard. Bright orange-red. Trusses very large.
Beaute Poitevine. The color is a bright salmon-pink.
Centaure. Bright pink, dwarf.
Countess de Harcourt. Pure snow-white.
Double General Grant. Scarlet; fine bedder.
Heteranthc. Bright scarlet.
Jean Viaud. Flowers semi-double, brilliant rose, beautiful white spots.
John Doyle. Vermilion scarlet; Grand bedder.
La Pilot. Very dark scarlet.
La Favorite. The best pure white.
Madame Jaulin. Center of flower delicate pink, bordered with pure white.
Madame la Comtesse de Baume. A charming bright pink; fine large bloom.
Madame Landrey. Clear salmon, center shading to copper, with white eye.
Madame Buchner. Double; snow-white. A strong grower.
S. A. Nutt. Double. Brilliant deep blood-red, with maroon shadings. Rather tall; vigorous grower. Truss large. One of the finest bloomers.
Toronto. Bright salmon. Flowers and truss of large size. A grand bedder.

TRICOLOR.

LEAVES VARIEGATED. Prized for the beauty of the foliage.
Mrs. Pollock. Flowers scarlet.
Happy Thought. A tricolor geranium, with very dark green foliage, having a light, creamy, almost white center, with a dark band about the light zone.

DOUBLE IVY-LEAF.

This class has thick, glossy, Ivy-shaped leaves. The plants are drooping in habit, and excellent for baskets, vases, and house plants.
Jeanne d'Arc. White, suffused with lavender. Double.
Leopard. The color is clear lilac-pink, the upper petals being heavily blotched with deep crimson, and marked with maroon dots.
Souvenir de Chas. Turner. Double; deep pink, maroon in upper petals.

SWEET-SCENTED.

Dr. Livingstone. Leaves finely divided, very fragrant.
Mrs. Taylor. Scarlet flowered, rose-scented.
Rose. This is the most desirable of the scented varieties.

BRONZE.

The leaves of the Bronze Geraniums show the most beautiful shades of yellow or brownish red, the foliage being as handsome as the flowers.
Black Douglas. Flowers salmon. Foliage golden yellow; red zone.
Exquisite. Leaf light yellow ground, chocolate zone. Flowers salmon.

OTAHEITE ORANGE

The great beauty, novelty, and popularity of this plant are indeed wonderful. It blooms most freely during winter, though it is likely to bloom at any and all times of year. With one or two pots of it anyone can raise an abundance of delicate and fragrant orange blossoms. It is a dwarf orange, which grows, blooms, and fruits freely in pots. Fruit about one-half the size of ordinary oranges. Strong plants, each, 20 cents; extra strong plants, each, 35 cents.

PALMS

First size, eighteen to twenty inches high; second size, eight to twelve inches high; third size, strong young plants from three-inch pots.

Sent by Mail or Express, charges prepaid, at prices quoted.

Kentia Belmoreana. Graceful arching leaves, with long, terete, shining, yellowish-brown petioles; divisions of the leaves, twenty to thirty in number, strap-shaped, deep green in color. This palm will stand a great deal of ill-usage and maintain a good appearance. First size, \$1.25; second size, 85 cents; third size, 35 cents.

Kentia Forsteriana. The beautiful "Thatch Palm," similar to the last, but the petioles are a brighter green and the leaf divisions narrower, more delicate and graceful. A handsome Palm for table decoration. First size, \$1.25; second size, 85 cents; third size, 35 cents.

Latania Borbonica. Has fan-shaped leaves, split into divisions at the apex, and frequently there are threads hanging between the divisions. A strong, vigorous plant, and makes a fine appearance in the window, or in contrast with other plants. First size, \$1.15; second size, 50 cts.; third size, 25 cts.

PRIMROSE

Mexican Primrose. A charming plant, which in freedom of bloom excels all others. Flowers almost three inches in diameter, cup-shaped; color bright pink, with scarlet veins and large, showy white center. A plant of easy culture. Each, 15 cents; two for 25 cents.

Primula obconica grandiflora. Perpetual blooming, bearing large trusses of flowers on long stems well above the foliage. Color pale lilac, shading to white. Requires cool temperature. Of easy culture. Each, 15 cents.

RUBBER PLANT

Ficus elastica. This is certainly one of the best plants grown for table of house decoration. It succeeds well with ordinary treatment. The glossy green leaves resist the dirt and gas to which plants in dwelling houses are exposed. Strong plants, each, 50 cents; larger plants, 75 cents, and \$1.00 each.

SALVIA

Each, 15 cents; per dozen, \$1.50.

Clara Bedman or Bonfire. A dwarf early blooming variety. The plants are almost hidden by the mass of brilliant scarlet flowers.

Splendens. The well-known Scarlet Sage. A splendid flowering plant with plumes of dazzling scarlet flowers.

UMBRELLA PALM

Cyperus alternifolius. A beautiful, easily-grown plant, that is admirably adapted to many different modes of culture. It makes a very showy plant for pot culture, is one of the best for ferneries, while for the aquarium it is without an equal. Each, 15 cents; three for 30 cents.

TWO USEFUL HERBS

English Lavender. Each, 15 cents; two for 25 cents.

Mammoth Broad-Leaved Sage. Each, 15 cents; two for 25 cents.

Tender Climbing Plants

IPOMOEA—Moonflower

Ipomœa Bona Nox. Offered under various names, such as Good Night, Evening Glory, and the like. It is a beautiful, vigorous climber, producing large, pure white, sweet-scented flowers at night and on dull, cloudy days. To keep over winter, the plant must be cut back, the roots potted, and kept in a growing condition. Tender climber. Each, 20 cents; dozen, \$2.00.

Ipomœa Leari (Blue Moonflower). A splendid companion to plant with Ipomœa Bona Nox. Flowers six inches across, of intense violet-blue, with reddish purple rays. Tender climber. Each, 20 cents; per dozen, \$2.00.

One plant each of Ipomœa Bona Nox and Leari for 30 cents.

NASTURTIUM—Double

Golden Wonder. One of the finest plants grown for covering rockeries or trellises. The color is a bright golden yellow, with a dash of scarlet in the center of each petal. Flowers perfectly double, and borne in great numbers throughout the whole year. Tender. Each, 20 cents.

Sunbeam. A strong, vigorous, climbing vine, resembling the common Nasturtium in habit and foliage. The flowers are one or two inches in diameter, perfectly double like Roses, and borne in great profusion all through the season. The color is a beautiful shade of bright orange-red. Tender. Each, 20 cents.

One plant of each of the two varieties for 30 cents.

JASMINE. *Jasminum grandiflorum.* A favorite greenhouse climber or house-plant everywhere; one of the sweetest of flowers. Foliage fine; flowers white, star-shaped and very fragrant, blooming from November till May. Easy of culture. Tender climber. Each, 20 cents.

MANETTIA VINE. *Manettia bicolor.* A beautiful twining plant, flowers from one to two inches in length, of the most intense fiery scarlet, with bright yellow tip. As a pot plant to train on a trellis it is unrivaled. In the open ground it succeeds admirably. Tender. Each, 20 cents; two for 30 cts.

SMILAX. A popular and well-known climber. Foliage of a dark glossy green, used largely with cut flowers, wreaths, etc. Excellent for parlor or window culture. Tender. Each, 15 cents; dozen \$1.50.



SINGLE AND DOUBLE TUBEROUS BEGONIAS

AMARYLLIS

The Amaryllis produces showy flowers that are handsome and very attractive, resembling Lilies. The bulbs should be potted in a rich, sandy loam, with good drainage. They require abundant moisture when growing, but at their season of rest water should be given sparingly.

Fragrans. Flowers three to four inches long; yellow; fragrant; stalks 15 to 18 inches high. Each, 15 cents.

Regine (Equestre). One of the best of the Amaryllis family for winter-blooming. Flowers large, bell-shaped; color light scarlet, throat or center white. Each, 10 cents.

Johnsoni. An elegant pot plant, with crimson flowers five inches in diameter, each petal striped with white. Flower-stalks two feet high, with clusters of three to five blooms. Each, 50 cents.

Formosissima (Jacobean Lily). Eight to ten inches high. Flowers dark crimson. The bulbs are dormant during the winter. Each, 15 cents.

Lutca. Flowers yellow, cup-shaped; free bloomer; very desirable. Each, 15 cents.

CALADIUM

Fancy-Foliaged. The fancy-foliaged varieties are very satisfactory for summer decoration. Leaves striped, blotched, and spotted with white, crimson, and pink; in fact, the variety of color is something wonderful. In the fall they die down, and the bulbs should be kept in the pots in a warm place. Each, 25 cents; dozen, \$2.50.

Esculentum—Elephant's Ear. One of the handsomest of the ornamental-leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in the cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as this Caladium for a grand bed of foliage in the garden. Medium-sized bulbs, each, 15 cents; dozen, \$1.50. Large-sized bulbs, each, 25 cents; dozen, \$2.50. Mammoth-sized bulbs, each, 35 cents; dozen, \$3.50.

GLOXINIA

Gloxinias are among the handsomest of our summer-blooming greenhouse plants. The flowers are gorgeous, and the foliage has a velvety appearance. Bulbs should be started in spring in a warm place. They require partial shade and a liberal supply of water when growing. After blooming, water should be withheld and the bulbs remain dry through the winter.

Red, White, Blue, and Spotted. Each, 20 cents; two for 35 cents; four for 60 cents. Dozen, \$1.00.

OXALIS

Free-blooming bulbs, fine for pots, vases, or for edging walks and beds. Plant three inches apart. Dozen, 15 cents; hundred, 75 cents; by mail prepaid.

Lasiandra. Rosy crimson.

Tetraphylla, (Deppei). Rosy lilac.

TUBEROUS BEGONIAS

The flowers are brilliant and large, handsomely formed, and of wonderful size, often measuring from four to six inches in diameter. The plants bloom freely all summer, and are fine either as pot or bedding plants, being easily raised and requiring but little attention. They succeed best in a partially shaded situation, but should be protected from severe winds if possible. After the blooming season is over the tubers are dried and either left in the pots or placed in dry sand and kept until the spring, to be started again in February or March.

No class of plants has so marvelously improved in the past few years as the Tuberous Begonias. Persons familiar with the old sorts of Begonias would scarcely recognize this section as belonging to the Begonia family; for, in addition to the marvelous beauty of the flowers, the foliage has been greatly improved, and one will hardly find any two plants with the same kind of leaves.

Double—White, Crimson, Scarlet, Rose, and Yellow; each, 20 cents; two for 30 cents; five for 60 cents; dozen, \$1.25.

Single—White, Crimson, Scarlet, Rose, and Yellow; each, 10 cents; three for 25 cents; dozen, 75 cents. The set of five for, 40 cents.

Bearded Begonia (B. grandiflora erecta cristata). This curious strain of Begonia has single flowers, of good size, bearing on each petal a dense crest or beard composed of curiously twisted threads, which gives the flower a gay and puzzling aspect. Highly interesting. Mixed colors; each, 20 cents; two for 30 cents.

CALLA

Little Gem. A dwarf variety of the old Calla, ten to twelve inches high; free bloomer. Each, 15 cents; two for 25 cents.

Alba maculata, or Spotted Calla. Beautiful for pot culture. The foliage is marked in the same manner as that of the Yellow Calla. The bulbs must be kept in dry sand in the winter. Each, 10 cents; dozen, \$1.00.

Yellow Calla (Richardia Elliottiana). This plant, like the Common White Calla, is a native of Africa. In mode of growth it is quite like the African or Egyptian Calla, but its leaves are marked with pure white spots. The flowers are nearly as large as those of Richardia Africana, but more urn-shaped, and the color is a rich canary-yellow. Its usual blooming time is late in the spring, and the culture of the plant very much the same as that of the White Calla. Each, 75 cents.

Black Calla. A remarkable variety, flowers large, velvety, purplish black, with coal-black spathe. Each, 20 cents; dozen, \$2.00.

MADEIRA VINE

For porches and arbors no other climber gives such rapid and satisfactory results. The thick, dark green foliage forms a fine screen, and the white flowers are very fragrant. Price, strong bulbs, 5 cents each; 50 cents per dozen.

TIGRIDIA

Tigridias are beautiful flowers, delicate as orchids, and showing wonderful blendings of colors. Plant bulbs in May and give the same care as to Gladiolus for winter.

Conchiflora. Yellow and orange, with dark spots. Each, 6 cents; dozen, 60 cents.

Grandiflora alba. A beautiful variety, with large showy white flowers, marked at the base of each division with spots of a reddish brown color on yellow ground. Each, 6 cents; dozen, 60 cents.

Grandiflora lilacea. Beautiful large flower, lilac, purple, and white spots in center. Each, 6 cents; dozen 60 cents.

WATER LILIES—Nymphaea

Nymphaeas can be grown in any swampy piece of ground, and even in tubs of water sunk in the ground, or on the surface, and in aquariums in the house, with soil or mud at the bottom. For ponds, if a soft, muddy bottom, tie the root to a stone to sink it, and drop it in near the shore in two or three feet of water.

Nymphaea odorata. Common white Water Lily, very fragrant. Each, 20 cents; dozen, \$2.25.

Odorata rosea (Cape Cod Pink.) The choicest of all pink varieties. It is a most satisfactory plant to grow, on account of its profusion of bloom all summer and being as hardy as an oak. Each, 50 cents.

Alba candidissima. The large-flowering variety of Europe. Whenever an abundance of bloom is desired it has no equal. The flowers often measure ten inches across; petals very broad, rounded at the point, and waxy white. Perfectly hardy anywhere. Each, 60 cents.

Alba Gladstoniana. The finest white Nymphaea ever offered. Large, strong grower; blooms abundantly from spring till frost. The flowers are of the largest size—from six to eight inches across—with broad, thick, pure, sparkling white petals. Each, 60 cents.

Marliacea chromatella. Flowers eight inches across, delightfully fragrant, and freely produced. Both stamens and petals are a beautiful lemon-yellow at their bases, exquisitely softening into light creamy yellow at their tips. Leaves dark green, irregularly blotched with brown. Each, 85 cents.

The set of five for \$2.50.

\$1000 in cash prizes to users of Vick's Seeds. See Frontispiece

GLADIOLUS

There is no other summer-flowering bulb so satisfactory, needing so little attention and thriving so well in almost any ordinary soil, as the Gladiolus. The bulbs should be set from three to six inches apart in rows, or, for massing, six inches apart, and about four inches deep. Plant from middle of April to first of June. In the fall, before hard frosts, take up the bulbs, remove the tops, dry in the air for a few days, and store in some cool dry place, secure from frost, until spring. Our list is a selection of the cream of hundreds of varieties which are grown on our own farm, under our own supervision.

Varieties quoted at 10 cents each, \$1.00 per dozen.

“ “ 15 cents “ \$1.50 “ “

Postage prepaid.

- America.** The finest gladiolus yet introduced. Splendid flowers of a beautiful clear, flesh pink color. Each, 15 cents.
- Attraction.** Flowers very large. A soft shade of deep carmine rose. The large throat is pure white. Each, 15 cents.
- Augusta.** Fine white, faintly tinged with lavender. Free bloomer and has a long season. Each, 10 cents.
- Baron Hulot.** Dark, velvety, violet-blue flowers on long stems. Best of the blues. Each, 15 cents.
- Beauty.** Earliest of all. Very light pink with chocolate throat. Each 10 cents.
- Brenchleyensis.** Vermilion-scarlet. Fine old variety. Early, vigorous and free bloomer. Each, 10 cents.
- Canary Bird.** Clear canary yellow, without markings. The best yellow. Each, 15 cents.
- Ceres.** White, flushed with carmine. A carmine blotch in the throat. Each, 10 cents.
- Eugene Scribe.** The large, well opened flowers are a soft rose-pink heavily flaked with bright carmine. Edges of flowers ruffled. Large spikes. Each, 10 cents.
- Irene.** Very large flowers of soft rose-pink, lightly flaked with carmine; throat carmine. Each, 15 cents.
- Isaac Buchanan.** Light yellow, a little flushed with deeper color. Each, 10 cents.
- Jane Dieulafoy.** Early. Large flowers of creamy pink. Large blotch of bright crimson in throat. Each, 10 cents.
- Madam Monneret.** Soft pure pink; a little carmine in the throat. Each, 10 cents.
- Melrose.** An immense flower. Larger and deeper color than America. White flaked with pink. Light carmine throat. Each, 20 cents.
- Mephistopheles.** Very striking. Deep scarlet heavily marked with yellow and dark crimson. Each, 10 cents.
- Monroe.** New and distinct. From the local grower who introduced "1900." A beautiful shade of deep bluish purple. It is a clear color without markings and has a soft velvety appearance. Each, 20 cents.
- Mrs. Beecher.** Immense broadly open flower of deepest crimson. The white throat is closely overlaid with lines and dots of crimson. A trifle smaller than Princeps, but better for general use. Each, 10 cents.
- Octoroon.** Beautiful salmon pink. Very distinct. Each, 10 cents.
- Princeps.** The largest flower of all. Deep rich crimson, darker in the throat. Broad white blotches on the lower petals. Each, 20 cents.
- Rosella.** Very large flowers of deep rose color. Each, 15 cents.
- Shakespeare.** Light pink suffused with carmine. Each, 10 cents.
- "1900."** Rich, deep scarlet with large white blotch. Hardy and free flowering. A splendid, late blooming variety. Each, 10 cents.

Collections of Gladioli

- Vick's Named Mixture.** This is a mixture of over 150 named varieties, to which we are adding every year. It comprises every class, and will furnish a profusion of bloom from July till frost. Many of these varieties cost us several times as much as we offer the mixed at. Each, 7 cents; dozen 55 cents; hundred, \$4.00; charges prepaid.
- First Quality Mixed.** All colors in fine assortment. Each, 5 cents; dozen, 30 cents; hundred, \$2.00; charges prepaid.
- Choice Mixed.** Dozen, 25 cents; twenty-five for 50 cents; hundred, \$1.50; charges prepaid.
- Light and White.** All shades. Doz., 40 cts.; hundred, \$2.50; charges prepaid.
- Red and Scarlet.** All shades. Doz., 30 cts.; hundred, \$2.00; charges prepaid.

OUR 75-CENT COLLECTION

The cream of the Gladiolus list. The greatest possible range of shading and each variety the best of its color. For full descriptions, see general list.

- America.** Light flesh pink. Each, 15 cents.
- Melrose.** Deeper pink. Each, 20 cents.
- Attraction.** Carmine rose. Each, 15 cents.
- Mrs. Beecher.** Deep crimson. Each, 10 cents.
- Canary Bird.** Yellow. Each, 15 cents.
- Monroe.** Purple. Each, 20 cents.

The set for 75 cents postpaid.



GLADIOLUS AMERICA

GROFF'S HYBRID GLADIOLI

This new race of Gladioli contains many new and striking shades. The plants are more robust than those of the standard, or Gandavensis type, and the flowers are larger, more spreading and have broader throats. The famous "America" is one of the many choice varieties taken from Groff's Hybrids.

GROFF'S LIGHT AND WHITE HYBRIDS

Beautiful collection of light and dainty shades. Each, 6 cents; dozen, 50 cents; hundred, \$3.50; prepaid.

GROFF'S RED HYBRIDS

All shades of red, scarlet and crimson. Each, 6 cents; dozen, 50 cents; hundred, \$3.50; prepaid.

GROFF'S BLUE HYBRIDS

Includes all the shades of clematis, lilac and heliotrope; a beautiful strain. Each, 8 cents; dozen, 80 cents; hundred, \$6.00; prepaid.

GROFF'S MIXED HYBRIDS

All shades in grand mixture. Each, 6 cents; dozen, 50 cents; hundred, \$3.50.

TUBEROSE

The Tuberose is a beautiful, pure white, wax-like, very sweet-scented, double flower, growing on tall stems, each stem bearing a dozen or more blossoms. Our Tuberoles are all extra sized, splendid bulbs.

New Dwarf Tuberose Pearl. Each, 5 cts.; six for 25 cts.; dozen, 50 cts.; \$3.00 per hundred.

Vick's Dahlias

High
Grade
Stock—
true to
Name
and
Color



CACTUS DAHLIAS

- Arachne.** Petals white edged with crimson. Some of the flowers are all crimson.
- Countess of Lonsdale.** Rich salmon, tinted apricot. Hardy and very free flowering.
- Earl of Pembroke.** Dark, rich shade of reddish purple. 15 cents each; \$1.50 a dozen.
- Kriemhilde.** Exquisite combination of ivory white and pink. "Queen of of the Cactus Dahlias."
- Matchless.** Dark, velvety maroon. 15 cents each; \$1.50 a dozen.
- Mrs. H. J. Jones.** Crimson-scarlet striped with cream. Varies from solid crimson to cream color on the same plant.
- Mrs. J. J. Crowe.** Clear yellow; fine habit and form.
- Mrs. J. P. Mace.** Delicate blush pink. Splendid for cutting. One of the most valuable additions to the list in recent years. 30 cents each; \$3.00 a dozen.
- Progenitor.** Soft rich scarlet. Ends of petals forked.
- Spotless Queen.** Pure white. Medium size. Free flowering.
- Standard Bearcr.** Brilliant scarlet. Medium size. Very free flowering.
- St. Catherine.** Orange and scarlet. 15 cents each; \$1.50 a dozen.
- Volker.** Exquisite golden yellow. Petals very long and narrow.
- Winsome.** Pure white. Good sized incurved flowers.

DECORATIVE DAHLIAS

are intermediate between Cactus and Show. The massive flowers are not so globular as the Show and the petals are broad and somewhat flattened. 20 cents each; \$2.00 a dozen; except where noted; mail or express prepaid.

- Black Prince.** Dark velvety maroon. Large flowers. 15 cents each; \$1.50 a dozen.
- Blue Oban.** Lavender blue. Free blooming.
- Clifford W. Bruton.** Canary yellow. Large, long stemmed flowers. Finest decorative yellow.
- Eureka.** Deep rose; full double flowers.
- Frank L. Bassett.** Dark, bluish purple. Large flowers. Early and free blooming.
- Grand Duke Alexis.** Immense white flowers. Petals quilled, the tips delicately tinted light lavender. Strictly speaking a Show Dahlia; but on account of its great size we prefer to place it with the Decorative.
- Henry Patrick.** Pure white. Fine long stemmed flowers.
- Iridescent.** Metallic bluish tints on red ground. Free flowering.
- Keystone.** Lilac ground penciled with crimson. Fine large flowers.
- Lyndhurst.** Rich glowing scarlet. Fine long stemmed flowers. A clearer, deeper shade than William Agnew.
- Mrs. Hartong.** Light fawn suffused with pink. Large. Fine form. Each, 15 cents; \$1.50 a dozen.
- Mrs. Roosevelt.** Delicate light pink. Immense double flowers of graceful form. Free flowering. A magnificent variety. 30 cents each; \$3.00 a dozen.
- Nymphæa.** Light shrimp pink, almost white. The "Water Lily Dahlia." Robust plant and large beautiful flower. 15 cents each; \$1.50 a dozen.
- Olympia.** Rose pink, striped and penciled with crimson. Occasionally comes in solid crimson. Fine double flowers.
- Oriental.** Striking shade of orange salmon. Large flowers. 15 cents each; \$1.50 a dozen.
- Perle d'Or.** Pure white. Large flowers. Free flowering. Petals split at the tips giving a beautiful Chrysanthemum effect. 15 cents each; \$1.50 a dozen.
- William Agnew.** Brilliant glowing scarlet. The beautiful large flowers are a little lighter shade than Lyndhurst. 15 cents each; \$1.50 a dozen.



NO flowers are easier to grow, or respond more readily to care and attention, than Dahlias; but three things are of prime importance: a moderately rich soil, sunshine, and water. Plant about May 1st, covering the tubers three inches deep. If many shoots start up, thin them out to one or two. When the plant is six inches high, cut it off above the second joint. This will cause it to throw out four branches, making a strong, bushy plant, which will withstand winds and produce flowers freely. Cultivate well until they begin blooming; after that, stir only the surface soil, and then just enough to prevent a crust from forming.

CACTUS DAHLIAS

have large, loosely formed flowers. The long, narrow petals are variously rolled or twisted. The flowers, many of which are nodding on slender stems, are the most graceful and artistic of all the Dahlias.

20 cents each; \$2.00 a dozen; except where noted.
Mail or express prepaid.

Alpha. Spotted and penciled deep pink and crimson on white ground.
Amos Perry. Bright scarlet. The long stemmed flowers fine for cutting.



POMPON DAHLIAS

The ball-shaped flowers of the Pompon Dahlias are a little smaller than those of the Show class, and are borne in the greatest profusion on long slender stems. They are earlier than the larger classes.

15 cents each; six for 75 cents; the set of ten, \$1.00; mail or express prepaid.

Catherine. Pure light yellow, long stems.
Daybreak. Soft shell pink.
Eleganta. Soft pink, tipped deeper pink.
Elfin. Pale Primrose. Dainty.
Fairy Queen. Sulphur yellow, edged deep peach.
May Oakleigh. Deep lilac.
Prince Charming. Creamy white, tipped pink. **Teddy.** Pink and rose.
Snowclad. The best white pompon. **Vivid.** Fiery scarlet.



DECORATIVE DAHLIA, GRAND DUKE ALEXIS

SHOW DAHLIAS

The old fashioned double Dahlia. Ball-shaped flowers; the petals quilled or tubular. As a class they are more formal than the Cactus or Decorative. They still retain their old-time popularity, on account of their long stiff stems and lasting qualities as cut flowers.

15 cents each; \$1.50 a dozen; mail or express prepaid.

A. D. Livoni (Ethel Vick.) Soft sea shell pink. A splendid cut flower.
Apple Blossom. Shades of pink and rose. Very pretty.
Arabella. Pale primrose, tipped lavender and shaded rose. A charming color and an early, free blooming flower.
Bird of Passage. White, tipped with pink.
Carol. White delicately tinted soft pink. Medium size; very free blooming.
Emily. Lavender. Flowers of great size on long stems. A grand variety.
Frank Smith. Deep velvety maroon, each petal distinctly tipped with white. Very striking and attractive.
James Vick. Intense purple maroon.
Maid of Kent. Cherry red, tipped with white.
Miller's Red. Dark crimson scarlet. Large and free flowering.
Mrs. Dexter. Very large flowers. A rich shade of salmon.
Penelope. White daintly flaked light lavender. Good size and free blooming.
Queen of Yellows. Clear, deep yellow. A splendid flower for cutting.
Red Hussar. Brilliant glowing scarlet. Lighter shade than Miller's Red and not quite so large. Free flowering.
Storm King. Pure white. Very early and the most profuse bloomer of any white.
White Swan. White. A magnificent white flower.

Vick's Dahlias in Collections Sold at Special Prices

Vick's Selection of Named Dahlias

12 of our regular \$1.50 per dozen Dahlias for \$1.00; 6 for 60 cents; 3 for 35 cents, postpaid

You allow us to select them; that is all. And only to prevent a run on one or two varieties in advance of others, do we reserve this privilege. Keeps our stock of scarcer varieties uniform, you see; but it only reverts to your particular benefit.

So for \$1.00 we send you postpaid twelve (12) named sorts, six (6) for 60 cents; three (3) for 35 cents. You get the same \$1.50 per dozen quality, too, but at one-third off, and will enjoy all the glory of these grand autumn flowers in a quality that only VICK knows how to produce. Depend upon us.

Vick's Named Mixture. Made up entirely from Named Varieties. Contains nearly 100 varieties—all classes and colors, selected from our list of the choicest varieties.
 Each 10 cents; six for 40 cents; dozen, 75 cents. Charges prepaid.



CACTUS DAHLIA, KREIMHILDE



Vick's Fruit Department

We guarantee only the delivery of Small Fruits in good condition, special care being taken in packing. If for any reason they are not in proper condition notify us at once, don't wait. Set plants as soon as received and water thoroughly.

I am glad to tell you my small fruits came O. K. We had a nice, warm well-worked bed ready, and every plant is growing finely.

Yours truly,

MRS. M. ADA FARRAND

Kirk, Ark., April 8, 1900.



THE NEW BLOWERS BERRY

BLACKBERRIES

At the single and dozen prices we prepay mail or express charges. Hundred and thousand lots by express or freight, charges not prepaid.

For field culture, plant in rows six feet apart and plants three feet apart in the row. For garden culture, five by four feet.

Price, except as noted, each, 15 cents; dozen, 80 cents; hundred, \$2.50; thousand, \$15.00.

Blowers. The giant of all Blackberries. An upright strong grower, very hardy and productive. Ripens about the middle of July and continues bearing for about two months. Each, 25 cents; dozen, \$1.50.

Eldorado. Very vigorous and hardy; fruit large, of finest quality, and without a hard core.

Minnewaski. One of the largest and most productive. Early.

Rathbun. Fruit extra large. In quality it surpasses the luscious Dewberry, being without the hard core common to Blackberries. It brings more in the market. The plant is hardy, vigorous, and a great bearer. Fruit large throughout the season. As a shipper it is unsurpassed.

Snyder. An exceptionally hardy variety. Berries medium size, produced abundantly; sweet, juicy, and, when fully ripe, without a hard core.

GOOSEBERRIES

Gooseberries thrive best if planted where they will receive a partial shade. Plant the same distance as Currants. Gross feeders, liking a deep rich soil.

At single and dozen prices we prepay postage or express charges.

Chautauqua. Fruit a light yellow (nearly white), free from spines and hair. Thick-skinned, sweet, and of exquisite flavor. Equal to any other variety on the market. Each, 50 cents; dozen, \$3.50.

Downing's. A native seedling; vigorous, hardy, and prolific; free from mildew. Fruit greenish white, large. Each, 25 cents; dozen, \$1.50.

Industry. A valuable new foreign variety. Fruit dark red, very large, and of a rich, agreeable flavor. An immense yielder. Each, 30 cts.; doz., \$2.00.

Pearl. Grown from seed of Houghton, crossed with Ashton Seedling. Worthy of special notice because of its good quality, productiveness, and freedom from mildew. Each, 25 cents; dozen, \$1.50.

Red Jacket. An American seedling of large size. Smooth, prolific and hardy; of best quality. Each, 25 cents; dozen, \$1.50.

RASPBERRIES

At the single and dozen prices we prepay mail or express charges. Hundred and thousand lots by express or freight, charges not prepaid.

Blackcaps, and others that increase from the ends of the canes, should be planted three and a half by seven feet. Keep the soil loose and free from weeds. When the canes attain the height of one foot, pinch off the ends; this causes the canes to branch, grow stocky and self-supporting. In the spring of the bearing year cut these back to within six inches of the main stalk. After fruiting, cut out all the dead wood. Red Raspberries and all others that sucker, should be set five by three and a half feet apart, when they must be cultivated both ways. Allow only three or four canes in each hill; treat all others as weeds. For garden culture set red varieties three feet apart each way, Caps four by three feet.

RASPBERRIES, RED

Columbian. Popular for the home garden. Grows from eight to twelve feet high, and covered with fine, large, crimson berries. Perfectly hardy; has endured 28° below zero without freezing. Best for canning, and evaporating, retaining color, form, and flavor remarkably. Each, 15 cents; dozen, 75 cents; hundred, \$2.25; thousand, \$15.00.

Cuthbert. A valuable late variety; large, firm, and of superior quality; very productive. Each, 15 cents; dozen, 60 cents; hundred, \$2.00; thousand, \$12.00.

Loudon. Hardier, better, and far more productive than Cuthbert. Berries firm; bright red; splendid shipper. Each, 20 cents; dozen, 80 cents; hundred, \$3.00.

Miller's Red. One of the best early varieties. As large as Cuthbert. Bright red. Flavor rich. Each, 20 cents; dozen, 80 cents; hundred, \$3.00.

RASPBERRIES, BLACK

Price, except as noted, each, 15 cents; dozen, 70 cents; hundred, \$2.00; thousand, \$15.00.

Cumberland. Very hardy, having withstood a temperature of 16° below zero. Very productive, making large crops of enormous berries. Fruit unusually firm, and may be shipped long distances. Mid-season variety, coming ahead of the Gregg. Each, 20 cents; dozen, 80 cents; hundred, \$3.00.

Gregg. Very large, fine quality, productive, late, hardy.

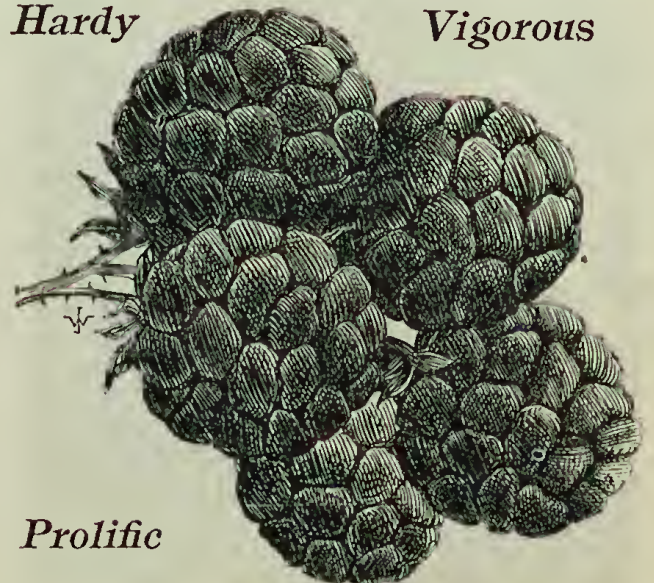
The Kansas. Early. Stands drouth well, and is uninjured by frost; fruit is larger than that of the Gregg. Jet black, firm texture.

RASPBERRIES, YELLOW

Golden Queen. Light amber. Each, 15 cents; dozen, 80 cents; hundred, \$3.00.

Hardy

Vigorous

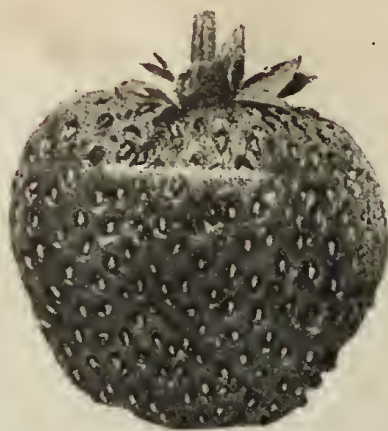


Prolific

COLUMBIAN RASPBERRY. NATURAL SIZE.



STEVENS' LATE CHAMPION



WORLD'S WONDER



EARLY BEAUTY



WILLIAM BELT

CURRANTS

At the single and dozen prices we prepay mail or express charges.
Hundred lots by express or freight, charges not prepaid.

Choose a moist rich soil for Currants. Plant five feet apart each way. Keep free from weeds and grass by liberal cultivation and mulching. Use plenty of manure, and trim out superfluous wood by cutting back the new growth two-thirds each year. Keep the foliage free from worms by using white hellebore.

Each, 20 cents; dozen, \$1.25; hundred, \$7.00.

Cherry. Large and productive. Standard for market.

Black Champion. An English variety. Extra good for jams, etc.

Fay's Prolific. One of the best; very productive; large; good flavor; early.

Red Cross. A new variety. Plants strong, vigorous, remarkably productive.

Clusters large, often measuring four inches in length; berries large.

White Grape. Valuable for the table; quality excellent, mild, and sweet.

Perfection. Color, bright red; size, as large as the Fay's or larger, the clusters averaging larger, the size of berry being well maintained to end of cluster. Rich, mild sub-acid, plenty of pulp, with few seeds. Less acid and of better quality than any other large currant in cultivation. The Perfection is a great bearer, superior to Fay or any other large sort. Strong 2-year plants, each, 30 cents; \$2.50 per dozen.

THE PERFECTION
CURRANT

James Vick's Sons.

Dear Sirs: May I add just a note with my order telling you of the great success we are having with the strawberry and raspberry plants we received from you last spring? We are now picking red raspberries from two of our late bushes and they are very large and delicious berries, and quite a novelty to our neighbors. Our strawberry bed is one mass of vines which have borne quite a few berries this year.

Very respectfully,
Mrs. F. M. Atwood



STRAWBERRIES

For field culture, plant in rows four feet apart, with the plants one foot apart in the row. For garden culture, plant three feet by one foot. Should the ground not be prepared for planting on receipt of plants, they should be carefully heeled in, in a cool, moist, shady place. Do not sprinkle the foliage, as it causes a moisture to collect, which is very injurious to the crowns, causing them to rot. In setting the plants be careful to have the crowns even with or a little above the surface of the ground, and to have the trench or hole in which the plants are to be set deep enough to allow the roots their full length. Some varieties of Strawberries have pistillate or imperfect flowers. These must have perfect-flowered varieties planted every fifteen or twenty feet among them, or they will produce imperfect fruit. The pistillate varieties are marked (P.)

At dozen and hundred prices we prepay postage or express charges; at thousand rate customers will pay express or freight charges.

Dozen, 25 cents; 100, \$1.25; 1000, \$5.00, except as noted.

Abington. Large, bright red, firm and good quality; holds its color well and continues bearing a long time. An improvement on Bubach. Dozen, 35 cents; 100, \$2.00; 1000, \$8.00.

Vick's Uncle Joe. Its fruit is perfect in form, of a dark, rich color, firm flesh, monstrous in size and uniform in shape. Among other attractive features, its early and continuous yield during the season is attributable to its strong, healthy and robust growth. Dozen, 50 cents; twenty-five, 75 cents; hundred, \$2.25; fifty at hundred rate; thousand, \$12.00.

Climax. This very prolific strawberry originated with Henry W. Graham, of Maryland. In 1900 he had 1,100 plants, which he set on less than a quarter of an acre. In 1901 he shipped 6,300 quarts, or about 20,200 quarts to the acre. Medium early. Dozen, 35 cents; 100, \$2.00; 1000, \$8.00.

Early Beauty. Fruit medium to large. Productive and good quality. One of the best early varieties we have ever fruited. Dozen, 35 cents; 100, \$2.00; 1000, \$8.00.

Echo. Superior to other varieties in both flavor and sweetness. Fruit brilliant red, of medium size, second early. Very productive.

Gandy. One of the best late Strawberries. Large, uniform size, rich crimson. Is a vigorous grower and good cropper. Late to very late.

Stevens' Late Champion. Originated in New Jersey. Plants of more than ordinary vigor; a good runner; perfectly healthy; color bright. A fine looking berry. Ripens after most other varieties have gone. We consider it the best late strawberry. Dozen, 35 cents; 100, \$2.00; 1000, \$8.00.

William Belt. A handsome variety. Large and of the finest quality. One of the very best for the home garden.

World's Wonder. As productive as the Haverland, but twice as large. Fruit is a bright red in color and does not turn dark after being picked. Uniform in shape, large size, good keeper and shipping berry. Ripens early and brings extra fancy price on market. Vines are strong, thrifty, and rapid in growth. Will produce a large crop on either high or low land. The fruit is so firm and its keeping qualities are so excellent that it does not need to be picked oftener than once in three days. Dozen, 50 cents; hundred, \$2.25; thousand, \$10.00.

OTHER STANDARD VARIETIES

Brandywine,	Eureka,	Jessie,	Rescent (P).	Glen Mary
Bubach,	McKinley,	Wilson,	Sample.	
	Nick Ohmer,	Seaford.		

Vick's Catalogue of Fruit and Ornamental Trees gives the information the average fruit grower is looking for—tells how and where to plant; the varieties are described in a simple way; and, best of all, *it's reliable*. Ask for a free copy when you send that order for seeds.

GRAPES

At the single and dozen prices we prepay mail or express charges. Hundred lots by express or freight, charges not prepaid.

Rows should be eight feet apart, and vines from six to eight feet apart in the row. Dig a hole two feet long, one foot wide, and one foot deep. Put a little surface soil in the bottom, and mix in some bone dust or commercial manures, and then place in another thin layer of surface soil. Trim the ends of roots, and spread out in hole, covering with surface soil. Cut the vine back to two buds, and draw in the earth so as to cover roots and stem up to top bud. Train the vine to a stake for the first two years, and afterwards train on trellis. Old wood never bears the second time; the vines of this year bear fruit the next. Nine-tenths of the wood should be cut away each season to get the largest and best grapes. *Vines are all strong two-year plants, true to name.*

Each, 20 cents; dozen, \$1.75; except as noted.

Campbell's Early. Strong, vigorous, hardy vine; thick, healthy, mildew-resisting foliage; always setting its fruit well and bearing abundantly. Berries large; black, with light purple bloom. Flavor rich, sweet, slightly vinous. Very early. Each, 30 cents; dozen, \$2.50.

Catawba. Large, compact; berries deep red, sweet and juicy.

Concord. Black. Most popular and reliable variety cultivated. Each, 15 cents; dozen, \$1.50.

McKinley Early. New. A cross between Niagara and Moore's Early; has all the good qualities of the Niagara, but *fully ten days earlier*. The best early white variety ever offered. Strong 2-year-old plants, each, 50 cents.

Diamond. Bunches large, compact, shouldered. Berries large, white, melting, juicy, sweet to center. Skin thin. Strong grower and abundant bearer.

Niagara. Strong grower. Bunch and berries large; color light green. Very productive.

Worden. The best black; most productive and satisfactory of all varieties.

OTHER STANDARD VARIETIES

Brighton. Lady. Pocklington. Delaware.
Moore's Early. Wyoming. Agawam (Roger's No. 15).

GRAND COLLECTION OF SMALL FRUITS

No. 1, Strawberries	\$1 00
" 2, Raspberries	1 00
" 4, Currants and Gooseberries	1 00
" 5, Grapes	1 00
	<hr/> \$4 00

THE ENTIRE LOT FOR \$3.50

Collection of Small Fruits for the Home Garden

No changing or substituting allowed in these collections. Postage or Express Prepaid.

COLLECTION No. 1, STRAWBERRIES

Five varieties, early, medium, and late, which in our judgment are best adapted for general garden culture.

12 Echo . . . \$0 25	12 Glen Mary . \$0 25	12 Seaford . . \$0 25
12 Gandy . . . 25	12 Sample . . . 25	

Five Varieties--60 Plants--for \$1.00

COLLECTION No. 2 RASPBERRIES

RED--6 Miller's Red. . . . \$0 40	BLACK--6 Cumberland . . \$0 40
6 Columbian 38	6 Kansas 35

4 Varieties--24 Plants--for \$1.00

COLLECTION No. 4

CURRANTS AND GOOSEBERRIES

6 Red Cross . . (red) . . . \$0 63	2 Gooseberries, Downing . 50
2 Black Champion 40	2 White Grape 40

4 Varieties--12 Plants--for \$1.00

COLLECTION No. 5, GRAPE VINES

1 Agawam (red) \$0 20	1 Catawba (red) \$0 20
1 Campbell's Early (black) . 30	1 Worden (black) 20
1 Diamond (white) 20	1 Niagara (white) 20

Six Varieties--for \$1.00

VICK'S FRUIT AND ORNAMENTAL TREES

APPLES

Our list embraces a careful selection of the best for the several seasons and those that have proved worthy of general cultivation. Those starred (*) are the Russian and hardier varieties.

40 cents each, \$4.00 a dozen, \$30.00 per hundred

SUMMER

Early Harvest—Medium, pale yellow, fine flavor, sub-acid; very productive. July.

***Red Astrachan**—Large crimson, juicy, with rich, sub-acid flavor. Bears early; hardy. July.

***Yellow Transparent**—The hardiest and finest early summer apple grown. Fruit large, pale yellow. July.

AUTUMN

***Duchess of Oldenburg**—A large, beautiful apple, round, streaked red on yellow ground; tender, juicy, very acid. Fine for cooking. September.

***Fameuse (Snow)**—Medium, deep crimson, flesh very white, tender, crisp and juicy. sub-acid. A popular dessert apple. October.

Maiden's Blush—Medium, pale yellow, red cheek, fine quality, sub-acid. October.

WINTER

Baldwin—Large, roundish, skin deep red, flesh juicy, crisp, sub-acid, good flavor. Vigorous and productive. Keeps splendidly. December to March.

***Grimes' Golden**—Good size, yellow; high quality, hardy. November to March.

King—An apple of the largest size; deep red, round, flesh yellow, juicy, acid, tender. Always in demand. November to March.

***McIntosh Red**—A very fine apple of the Fameuse class, hardy; large, dark red; flesh white, very tender, splendid quality. November to Feb.

Newtown Pippin—Large, round, greenish yellow. Very high quality juicy, crisp, tender, rich, sub-acid. December to April.

Northern Spy—Too well known to need description. Crisp, tender, high quality, fine shape, beautiful coloring. Red, usually striped, sub-acid. November to March.

Northwestern Greening—Very hardy, greenish yellow, large, mild, sub-acid. November to March.

Roxbury Russet—Medium, dull green and yellow; flesh white, rich, sub-acid. November to March.

Talman Sweet—Medium, pale whitish yellow; flesh white, fine grained; very hardy and productive. The best winter sweet apple for home and market. November to March.

***Wealthy**—An American apple that is becoming very popular on account of its handsome appearance and early fruiting. Hardy and productive. Fruit large size, roundish, skin smooth, splashed with dark red; flesh white, tender, juicy, sub-acid. November to January.

Wine Sap—Medium, deep red; firm, crisp, high flavor; popular in Southwest. December to May.

CRAB APPLES

Transcendent—Large, yellow with rich crimson cheek. An improved Siberian crab. September.

CHERRIES---Sweet

50 each, \$5.00 a dozen, \$40.00 per hundred

Black Tartarian—Fruit very large, heart shape. Dark purple, tender, rich, good, very prolific. Tree upright, vigorous and healthy. The best early black cherry. June and July.

Napoleon—The largest size, yellow with red cheek. Very firm, juicy and sweet. Vigorous, upright tree; enormously productive. July.

DUKES AND MORELLOS—Sour

Early Richmond—Medium size, bright red, acid, very hardy and productive. Fruits very young. For cooking and market one of the best. June.

English Morello—Medium size, dark red, acid, late; dwarf. Very hardy; early bearer. July.

Large Montmorency—Fruit large, bright red, fine flavor; very hardy and immense bearer. Season a little later than Early Richmond.

SUMMER PEARS

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Bartlett—Large size, rich, melting, delicious; everywhere successful. Blossom sterile, requiring other varieties planted near by to insure fertilization. September.

Clapp's Favorite—Very large and showy, golden yellow with red cheek. Ripens a week before Bartlett. Rots at the core unless picked ten days before ripe. August.

Wildcr—Medium size, yellow with carmine shading; fine grained, tender, subacid. August.

AUTUMN PEARS

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Duchesse d'Angouleme—Very large, greenish yellow, tender, melting, buttery and juicy; does best as a dwarf. October.

Flemish Beauty—Large, sweet, melting; very productive, but liable to scab; very hardy. September.

Kieffer—Very large, deep yellow with russet dots; juicy, sweet, coarse; immensely productive; very early bearer. Fruit must be thinned to get the largest size. Fine for canning. Said to be blight-proof. October and November.

Seckel—Small, finest flavor; excellent for pickling and dessert; very productive. September.

Sheldon—Medium size, round, russet and red; melting, rich, very juicy, delicious; very productive; keeps well. October.

WINTER PEARS

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Beurre d'Anjou—A grand pear: large, handsome, buttery, melting, rich, yellow when ripe. The finest winter pear grown. Requires to hang late. October and January.

Lawrence—Medium size, golden yellow, melting, very rich. The finest early winter pear. November and December.

DWARF PEARS

40 cents each, \$4.00 a dozen, \$30.00 per hundred

Beurre d'Anjou—Early winter.

Duchesse—Late fall, fine.

Seckel—Extra fine quality.

PLUMS--European

50 cents each, \$5.00 a dozen, \$40.00 per hundred

Fellemburg—(Italian Prune)—Very large, rich dark purple, flesh juicy and good, rather coarse, freestone; tree spreading, productive. September.

German Prune—Medium size, dark blue, juicy, rich. Tree upright, vigorous and productive. September.

Reine Claude—Large, yellowish green, juicy, melting, sugary, rich flavor. September.

AMERICAN

Bradshaw—Very large, purple; juicy, excellent quality. Tree erect and vigorous, productive. August.

Imperial Gage—Medium size, yellow, juicy, rich, delicious, productive, strong grower. August.

Lombard—Medium, violet red, juicy, pleasant and good. Immensely productive, hardy. August.

JAPANESE AND HYBRIDS

Abundance—Fruit large, showy and beautiful. Color amber, turning to a rich, bright cherry red, highly perfumed. Flesh light yellow, juicy, tender and delicious; freestone. The tree is a strong upright grower, immensely productive. Season early.

Burbank—Fresh, yellow, firm, tender and very juicy, rich, sweet and aromatic. Very productive. Tree spreading and hardy. One of the best. Medium.

Wickson—Large, color carmine with a heavy white bloom; stone small; flesh fine, firm, sugary and delicious. Picked green, will ripen and color perfectly and keep two weeks or more after ripening, making it an excellent market plum. Tree upright grower and productive.

PEACHES

25 cents each, \$2.50 a dozen, \$15.00 per hundred

Champion—A white freestone, ripening about September 1st. Delicious, sweet, rich and juicy, skin creamy white with red cheek, strikingly handsome. It is hardy, productive, early, largest size and highest flavor.

Crawford's Early—Very large, yellow, rich, sweet, luscious; free. Sept.

Crawford's Late—Very hardy, large, yellow, rich, sweet; free. September

Elberta—Among peaches Elberta takes the lead for beauty, size and quality. It is one of the *hardest*, as large or larger than Crawford's Early, and fully its equal in beauty and flavor. One of the finest yellow freestone peaches. Fruit yellow with red cheek; flesh yellow, juicy, and of good quality; ripens slightly later than Early Crawford.

Fitzgerald—A native seedling, as large or larger than Crawford; freestone, very best quality. A heavy bearer, fruiting very young, almost invariably the second year after planting. Very hardy. Ripens just after Crawford's Early.

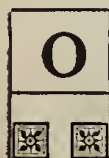
Greensboro—Larger and earlier than Crawford's Early, and nearly freestone. It is colored beautifully with crimson and has a yellowish cast; the flesh is white and of good flavor. The peach is large, many specimens measuring eight to nine inches in circumference. Productive.

ORNAMENTAL TREES

	Each.	Dozen.
Beech, Purple leaf	\$1 00	\$10 00
Birch, Cut-leaved Weeping	75	7 00
Catalpa, Speciosa	75	7 00
Catalpa, Bungei	1 00	10 00
Crab, Bechtel's Double-flowered (American)	75	7 00
Dogwood, White-flowering	75	7 00
Dogwood, Red-flowering	1 50	15 00
Elm, American White	85	8 00
Elm, Camperdown Weeping	1 00	10 00
Horse Chestnut	1 00	10 00
Judas Tree, or Red Bud (American)	1 00	10 00
Laburnum (Golden Chain)	75	7 00
Linden (American Basswood)	1 00	10 00
Linden (European)	75	
Magnolia Acuminata	85	8 00
Magnolia Conspicua	1 75	19 00
Magnolia Lenne	1 75	19 00
Magnolia Soulangeana	1 75	19 00
Magnolia Speciosa	1 75	19 00
Maple, Ash-leaved	60	6 00
Maple, Norway	1 00	10 00
Maple, Schwedler's	1 50	15 00
Maple, Silver-leaved	60	6 00
Maple, Sugar	1 00	10 00
Maple, Weir's Cut-leaved	85	8 00
Maple, Japan	2 25	24 00
Maple, Japan Purple-leaf	2 25	24 00
Maple Blood-leaved	2 25	24 00
Mountain Ash, (European)	75	7 00
Mountain Ash, Oak-leaved	75	7 00
Mountain Ash, Weeping	1 00	10 00
Mulberry (Downing) Everbearing	75	7 00
Mulberry, New American	75	7 00
Mulberry, Russian	60	6 00
Mulberry, Teas Weeping	1 25	13 00
Oak, Pin	1 25	13 00
Plane, Oriental	1 00	10 00
Plum, Purple-leaf	75	7 00
Poplar, Carolina	65	6 00
Poplar, Lombardy	75	7 00
Salisbury (Maiden Hair)	85	8 00
Thorn, Double White	75	7 00
Thorn, Paul's Double Scarlet	75	7 00
Willow, Killmarnock	1 00	10 00
Yellow-Wood	1 00	10 00

EVERGREENS

Arbor-Vitæ (Thuja Occidentalis)	60	6 00
Arbor-Vitæ, Douglas' New Golden	1 00	10 00
Arbor-Vitæ, Pyramidalis	85	8 00
Juniper, Irish	75	7 00
Pine, Austrian		
Spruce, Colorado Blue, two feet	2 00	
Spruce, Colorado Blue, 12 to 13 inches	1 50	
Spruce, Norway	60	6 00



OUR Fruit and Ornamental Trees

are No. 1 First Grade. You cannot obtain better anywhere, nor at a lower price. Just compare our quotations with those of any reputable nurseryman. These prices include packing and delivery to freight or express office, but the purchaser is to pay the freight or express company's charges.

INSECTICIDES

(Note—Liquids and poisonous powders cannot be sent by mail). Directions for using printed on each package.

Aphis Punk. A convenient form for fumigating. 12 rolls (1 box), 60 cents; one dozen boxes (one case), \$6.50.

Bordeaux Mixture. (Liquid). For fungous diseases. Directions for using on can. Pint, 25 cts.; quart, 45 cts.; gal., \$1.25; charges not prepaid.

Bug Death. For potato bugs and blight; contains no arsenic; does not wash off. In comparative tests made on our farm last season Bug Death headed the list, not only as an insecticide, but kept the plants in a healthier condition and actually *increased the yield* over all others, while the potatoes when dug were healthier, contained more starch, and kept better than others. 1-lb. package, 15 cents; 3-lb. package, 35 cents; 5-lb. package, 50 cents; 12½-lb. package, \$1.00; 100-lb. keg, \$7.00; Charges not prepaid.

Copper Sulphate (Blue Vitrol). For use in mixing Bordeaux Mixture, etc. Per lb., 15 cents; 100 lbs., \$12.00; charges not prepaid.

Dalmatian Insect Powder. The true "Persian" insect powder, ¼ lb., 20 cents; ½ lb., 35 cents; lb., 55 cents; postage paid.

Dickey's Duster. For applying not only Bug Death but any other insecticide in powdered form, 25 cents each; charges not prepaid.

Fir Tree Oil. For all kinds of sucking insects, whether on root, stem or foliage, such as Green and Black Fly, Mealy Bug, Scale, Aphis, etc. Valuable also for animal parasites and insects. ½ pint, 40 cents; pint, 75 cents; qt., \$1.35; gal., \$5.00; charges not prepaid.

Hellebore. Pure and fresh; used largely for currant worms, etc. Pound, 30 cents; charges not prepaid.

Kerosene Emulsion. For scale insects, aphis, etc. Quart, 50 cents; gal., \$1.00; charges not prepaid.

Nicofume. A tobacco-paper insecticide for fumigating only. Prices, small sizes (24 sheets), 75 cents; medium size (144 sheets), \$3.50; large size (288 sheets), \$6.50; charges not prepaid.

Nicotide. (Liquid). Can be used either for fumigating or spraying. The strongest extract of tobacco on the market. ¼ lb., 70 cts.; ½ lb., \$1.25; 1 lb., \$2.50; ½ gallon, \$8.50; 8 lbs. (1 gallon), \$15.00; charges not prepaid. Lamps, complete, 50 cents, postpaid.

Nikoteen Kills the Bugs. A thorough exterminator of all injurious insects. Pint, \$1.50.

Slug Shot. Non-poisonous powder for Potato Bugs, Cabbage Lice and Worms, Currant Worms, etc. 5 lb. package, 30 cents; charges not prepaid.

Sulpho-Tobacco Soap. Used as a wash for roses, trees, and house plants. Very desirable for insects on animals. 3-oz. cake, 13 cents; 8-oz. cake, 30 cents; postage paid.

Tobacco Dust (The Black Stuff). Per lb., 25 cents; postage paid.

Tuxedo. (Liquid). A combination of Bordeaux Mixture and Paris Green; especially fine for potatoes, reaching bugs and blight at the same time. Quart, 20 cents; gal., 75 cents; charges not prepaid.

Vick's Excelsior Insect Exterminator. Will destroy Striped Bugs, Cabbage Lice, Green Cabbage Worms, Potato Bugs, Aphis, Squash Bugs, Cockroaches, etc. This powder can be applied most thoroughly, economically, and quickly, by means of the bellows we have constructed for that purpose. 50 cents per pound, by mail. In lots of five pounds or over, 35 cents per pound by express at expense of the purchaser. Eight-inch Bellows, \$1.50. Twelve-inch Bellows, \$1.75. The Bellows can be sent only by express at expense of purchaser. For use in conservatories and for house plants we offer a small zinc Bellows, in two sizes. No. 1, with one ounce of Exterminator, 30 cents, postage paid; No. 2, with four ounces of Exterminator, 50 cents, postage paid.

Whale Oil Soap. Used as a wash for roses, trees, and plants affected with insects; ½ lb. box, 20 cents; 1 lb. box, 35 cents, postage paid. Special price on large quantities.

Miscellaneous Supplies

Bellows. For applying dry insecticides. Hand-made throughout from seasoned wood and best quality sheepskin. Eight-inch, \$1.50; 12 in., \$1.75. Charges not prepaid.

Dibbles. Used in transplanting, steel point. 35 cents each; 50 cents postpaid.

Garden Lines. Extra heavy cotton, braided, 100 feet long. 60 cents each; 80 cents, postage paid.

Grass Hooks or Sickles. Each, 60 cents; charges not prepaid.

Grass Shears. Best quality steel. 75 cents, postage paid.

Grafting Wax. ¼ lb., 15 cents; ½ lb., 25 cents; lb., 40 cents, postpaid.

Garden Trowels. Solid steel, best grade only, 50 cents, postage paid.

Labels. Wooden; painted. Charges not prepaid.

3½ inch, pot, per 1000	\$0.75	6 inch, pot, per 1000	\$1.50
4 inch, pot, per 1000 . . . . .	.90	8 inch, pot, per 1000	4.00
4½ inch, pot, per 1000	1.00	3½ inch, tree, notched, per 1000	1.25
5 inch, pot, per 1000	1.25	3½ inch, tree, pierced, per 1000	1.25

Mastica. For glazing work. A putty-like preparation. Sets quickly. Can be used in cold weather, and does not run or crack. Use in putty-bull or machine. Gallon pails, each, \$1.25; machines, each, \$1.25; charges not prepaid.

Mole Traps (The Out O'Sight). It is not complicated, or easy to get out of order, easily set without danger to yourself, can be used in hotbeds, or without disturbing runway. Full explanation of habits of moles furnished with each trap. Price, \$1.25, by mail postage paid. By express \$1.00, express charges not prepaid.

Plant Tubs. Fibrotta ware, practically indestructible, impervious to moisture, light, easy to handle. 12½-inch, each \$1.25; 13½-inch, each \$1.50; charges not prepaid.

Potting Soil. Especially prepared and sifted, per bu. 75 cents; bbl., \$1.75; charges not prepaid.

Putty Bulbs. For applying liquid putty, mastica, etc. Each, \$1.10, postpaid.

Pruning Shears. Charges not prepaid.

No. 1537—8-inch \$0 65 6-inch, Nickle Plated \$0 85

No. 1537—8½-inch 85 10-inch, Wiss, genuine 2 50

No. 1538—8½-inch 1 00 9-inch, Wiss, genuine 2.25

Raffia. For tying, per lb., 20 cents; 5 lbs., 80 cents; 10 lbs., \$1.50; charges not prepaid.

Syringes. Brass. Charges not prepaid.

No. A—12-inch barrel, 1-spray rose and jet. \$2 75

No. 12—14-inch barrel, 2-spray rose and jet. 3 75

No. 11—16-inch barrel, 2-spray rose and jet. 5 50

No. 5—18-inch barrel, 2-spray rose and jet. 6 50

Sprinklers. Tyrian. Rubber, made with a perforated detachable top; valuable for window gardening, bouquet sprinkling, dampening clothes, etc.; postpaid.

6-ounce size, straight neck \$0 75

6-ounce size, bent neck 85

8-ounce size, straight neck 1 00

8-ounce size, bent neck 1 10

Weeders. Claw, 25 cents; Hazeltine, 30 cents; Lang, 30 cents; Brown's Easy, short handled, 70 cents; postage paid.

Fertilizers

Pulverized Sheep Manure. This is a pure, natural, odorless fertilizer and the most nutritious food for all vegetable growth. The best for lawn, garden and greenhouse use. Its effect is immediate, lasting, and it can be applied without risk. Strewn over and dug into the soil it promotes a rapid, steady growth until maturity of the plants. For either flower or vegetable it makes the richest, safest and quickest liquid invigorator. On lawns its effect is readily apparent but if applied in spring or fall will achieve best results. Quantity to an acre one ton, 12 lb. to 300 square feet. 6 lbs., 35 cts.; 25 lbs., 75 cents; 50 lbs., \$1.25; 100 lbs., \$2.00; charges not prepaid.

Walker's Floral Fertilizer. A chemically correct flower food for house plants. Has no odor, and can be used dry or dissolved in water for sprinkling. Small size (feeds 25 plants six months), 25 cents; large size (feeds 25 plants for one year), 50 cents; postage paid.

Nitrate of Soda (Chili Saltpetre). The best and cheapest form of Nitrogen for plants. Highly concentrated and immediately available. Nothing like it to make plants grow. Price subject to market changes. 3 lbs., 30 cts.; 5 lbs., 50 cts.; 10 lbs., 75 cts.; 25 lbs., \$1.50; 100 lbs., \$5.00; charges not prepaid.

Pure Raw Bone Meal. 1 lb., 20 cents (by mail 25 cents); 5 lbs., 30 cents; 10 lbs., 50 cents; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; charges not prepaid.

"Victory" Lawn Mower

Ball Bearings. Easy to Operate.
The Best Mower Ever Built.

The adjustments of the "Victory" Lawn Mowers are the simplest, most perfect, and most positive. They cut within 1¼ inches of an obstruction. The cutter bars will stay on the ground and cut their full swath clean (other short-coupled mowers kick up behind in heavy grass). The mowers are well speeded, and bite small and frequent, leaving a beautiful velvety lawn. Ball bearings of the highest grade, exact to ¼ of .10000 of an inch, which reduces the friction astonishingly—even more in a mower than in a bicycle.

Ten-inch Wheel. Four-Bladed Reels. Ball Bearings.					
14-in.	16-in.	18-in.	20-in.	22-in.	24-in.
\$8.50	\$9.50	\$10.50	\$11.50	\$12.75	\$13.50

By Express or Freight, charges not prepaid

Catalogue of Fruit and Ornamental Trees

Send for our new catalogue of all the Standard varieties, as well as the best of the new things in Fruit Trees. The list has been compiled by an expert, and is worthy of your absolute confidence. Mailed free to any address.

KNIVES PRUNING AND BUDDING

Budding.	No. 718 — 1 blade, open, cocoa handle	\$0.35
	No. 419 — 2 blade, folding, ivory handle, superior steel	1.25
	No. 690 — 2 blade, folding, buffalo handle, ivory tip	1.00
	No. 919 — 1 blade, folding, ivory handle	1.25
	No. 917 — 1 blade, folding, ivory handle, sheep's foot blade	1.25
Pruning.	No. 117 — 1 blade, folding, cocoa handle, round end . . . . .	.80
	No. 801 — 1 blade, folding, cocoa handle . . . . .	.65
	No. 923 — 1 blade, folding, stag handle	1.00
	No. 928 — 1 blade, folding, stag handle	1.25

BASKETRY

Raffia is the native name of a palm growing in Madagascar which furnishes the raffia fiber of commerce. This fiber is the inner skin peeled from the under side of the palm leaf. When first stripped it is of a pale green color, but after being dried in the sun it becomes a light straw color. For export it is collected in large skeins, twisted or braided, and then packed in compressed bales of about 220 pounds. At first it was sold in the natural color only, being used principally for tying of vegetables, and in greenhouse and vineyard work. With its adoption for basketry it began to be dyed in various colors, and our present list embraces the following different colors:

No. 3—Indian Red	No. 14—Sage Green	No. 8—Pink
No. 12—Light Orange	No. 17—Emerald Green	No. 10—Brown
No. 5—Yellow	No. 6—Dark Navy	No. 9—Black
No. 16—Bright Yellow	No. 7—Red	No. 13—Bright Green

PRICES ON BASKET MATERIALS,

Add postage as follows: Ounce 3 cents; ¼ lb. 6 cents; pound 18 cents.

	OUNCE	¼ LB.	POUND
Raffia—Colored	\$0 06	\$0 20	\$0 75
Raffia—Natural	05	10	25
Sweet Grass	15	40	1 50
Reeds—No. 1	10	30	1 00
No. 2	07	25	75
No. 3	07	25	75
No. 4	07	20	60
No. 5	05	15	50
No. 6	05	15	50

Samples of Raffia and Reels on application.

BOOKS ON BASKETRY

Basket-Making. By T. Vernetta Morse. 32 pages, illustrated with 106 working designs. A condensed work valuable to the beginner. Postpaid 25 cents.

How to Make Baskets. By Mary White. 200 pages, cloth bound, finely illustrated with working designs and half-tone plates. The best work on the subject we have seen. Postpaid, \$1.00.

BROWN'S EASY WEEDER

This new idea as a weeding device has made itself an immediate favorite with growers everywhere. With it, a boy can do more and better work than two men with any other tool ever put on the market. Does not cut or destroy the roots of plants. Takes out all the weeds; its oval shape permitting the operator to weed behind the plants while standing in front. It works the surface to a fine mulch. It makes the hard places easy to reach. For working in ashes or commercial fertilizers, it has no equal. 50 cents each, by mail, postpaid.



I sent to you last year for my Aster Seed and was never more delighted with the result. I did not think it possible for Asters to be so beautiful People from far and near were constantly admiring them.

Middlebury Center, Pa., Feb. 22, 1909. MRS. A. S. LENT.

Last year among other seeds I got a variety of your best Asters and they were beautiful. The Lavender Gem especially was the daintiest flower I ever saw, but they were all good. Very truly yours,

Sarina, Ont., March 12, 1909. MRS. B. M. WEES.

Am pleased to say I took first prize on Asters at the Valley Fair and my seed also came from Vicks.

Brattleboro, Vt., January 13, 1909. GEO. E. BISHOP.

Your Mikado Pink Asters have been simply wonderful. The first one blossomed Sept. 10th and the last of them—a big bouquet—are now in the house (Sept. 27th.) Every one who has seen them has marveled at their size and mistaken them for Chrysanthemums.

60 Hawthorne St., Bridgeport, Conn. JENNIE A. WILCOX

The Auto-Spray No. 1

Fully guaranteed. The only practical compressed air sprayer, and useful in the fullest variety of spraying. We recommend it for trees, vines, shrubs, up to five acres of field crops, disinfectants, and small whitewashing jobs.

There is no other sprayer which will do such a variety of work and do it so well.

The tank is furnished in either brass or galvanized iron as desired, and has a capacity of three gallons solution.

There are no screw, or spun thread connections whatever in the construction of the machine, and even the pump is locked to the tank by means of a cam which can be removed or replaced by a simple twist of the wrist.

The pump is of heavy brass two inches in diameter, and two or possibly three pumpings will empty the tank under higher and more constant pressure than any other knapsack sprayer.

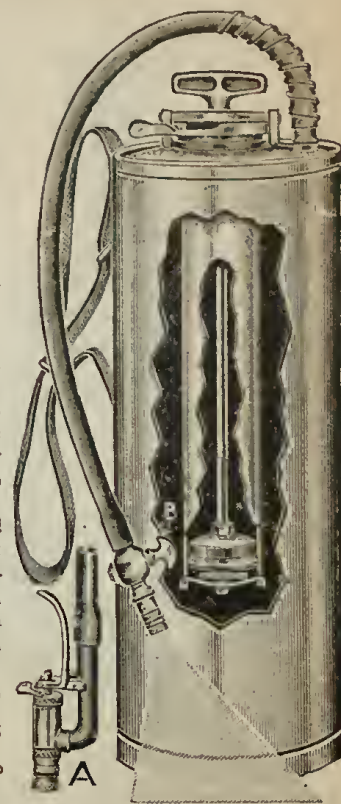
We recommend the brass tank, as it will not corrode; also the Auto Pop No. 1 Shut-off, automatic in action and operating a self-cleaning wire through the nozzle.

Each machine securely packed in a separate box; shipping weight 15 pounds.

Auto-Spray No. 1-A—Brass tank and stop cock	\$6.75
Auto-Spray No. 1-B—Brass tank with Auto Pop (Recommended)	7.65
Auto-Spray No. 1-C—Galvanized tank and stop cock	4.50
Auto-Spray No. 1-D—Galvanized tank and Auto Pop	5.40

Brass extension pipe, two feet . . . . .	.45
Galvanized extension pipe . . . . .	.35
Brass elbow extension . . . . .	.45
Brass strainer . . . . .	.90
Auto Pops, supplied separately	1.15

All prices quoted f. o. b. express or freight office, Rochester.



Auto-Spray No. 3-B

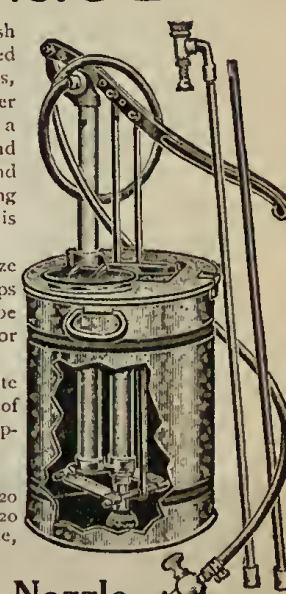
While primarily built for applying whitewash and cold water paint, it is also perfectly adapted as a general purpose sprayer for trees, plants, shrubs, vines, etc. The tank is made of either brass or galvanized iron, as ordered, and has a capacity of eight gallons solution. The pump and large air-chamber are made of heavy brass, and the pump is fitted with a special graphite packing which can be readily adjusted. The agitation is mechanical and effective.

We offer this machine as the best all-around size and equipment in lever handle high pressure pumps for small orchards and general work. It can be easily carried about, either by the handles or mounted on a wheelbarrow.

Each machine securely crated, and complete with eight feet of high-grade hose, eight feet of extension, stop cock and Vermorel nozzle. Shipping weight, 40 pounds.

Auto-Spray No. 3-B—Galvanized tank, complete	\$11.20
Auto-Spray No. 3-C—Brass tank complete	13.20

Prices quoted f. o. b. express or freight office, Rochester.



N. C. A., Non-Clog Atomic Nozzle

The most valuable nozzle on the market. Positively the only nozzle that will not clog, despite the claims of other manufacturers. Its many points will appeal to any practical orchardist. Can be adjusted by a simple mechanism to throw from a fine spray eighteen inches from the nozzle mouth, to a concentrated form throwing twenty feet. Has a capacity of two, three or four point Vermorels according to the disc used, each nozzle being furnished with four discs. A special feature is the patented screen through which the solution passes before entering the nozzle proper, and absolutely prevents the possibility of clogging. Patent applied for. Net price, \$1.25. Also fitted with standard ¼ inch pipe thread.

VICK'S VIOLET KING
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THE ROCHESTER PAGE 45



VICK'S EARLY UPRIGHT PINK
PAGE 47

VICK'S ROSE KING
PAGE 47

James Vick's Sons,
Rochester,
N. Y.